spec. of the Smilax hispida (S. hoveida, it should be called) S. Pandanthus & Muscari I find, as at Alexandria. The common Blueberry, as at Alexia, is the V. vacillans. The Carex intumescens?, which I sent you from Alexia grows here. If you see anything peculiar in it, I can send you native specs. I find a very pubescent form of Calystegia (C. sepium pubescens, probably)

There are some other plants that I would like to speak of, but I have not time to do so at the present writing. Are magnolias too late to be soldered into the new Manual? I would like you to have seen our Sarothamnus in flower (from middle of Apr. to four part of June); it is quite a feature in our flora, quite common, often ~~growing~~ forming in large thickets, sometimes growing 8 or 10° high. — In haste, Yours truly,

A. H. Curtiss.

and

Bergie il. Va.
June 25, 1861

Prof. Gray,

Dear Sir — I have just discovered an unfortunate mistake, which it was much regret to have made, and I hasten to explain the matter, knowing that it must have caused mutual amazement and misunderstanding. A month ago I made up a pkg. for you, containing fresh specs. of a number of new plants not described in your Manual (probably southern plants), & wrote an explanatory letter. I then put them away and directed that this should be carried to the P.O. I, of course, have been surprised at not receiving a reply, but as I accidentally discovered last evening that, through the carelessness of the carrier, the letter was not mailed

the matter is explained — in an unexpected manner — I will therefore repeat what I then wrote, with a few additional notes, and, as the package itself may not have reached you in good order, or not at all, I will enclose pressed duplicates of its contents, (excepting an aquatic, which, however, was hardly worthy of notice,) viz:—

1st. — Sagina Elliottii, Fenzl. Common along road-sides. N.B. — Seeds are rough.

2nd. — A plant similar to the Sagina in size, place & mode of growth, season of flowering (Apr.—June), & equally common. I think it allied to the Chamæsyce. It seems to have a solitary stamen affixed to the base of the achenium, but I can discover no style or stigma.

3d. — A Galium, belonging, I suppose, to section + + +, with purplish flowers, the leaves usually in whorls of seven, varying from 4 to 8. It grows with Nos. 1 & 2, very common, usually low, taller among grass, & in flower since middle of June.

4th. — A beautiful Grass, the panicle of a purplish silvery lustre, drooping & turning dark as it matures, of about ½ the length of the whole plant (which is 1°-3° high), its lower portion sheathed & abortive. Leaves strongly involute, so that they appear terete, 2'-7' long. Stamen one. The other particulars you can determine from the specs. I send. But you will probably recognize the plant at a glance. It is abundant in our door-yard.

I have found but few plants here which seem to be out of the range you ascribe to them. Draba brachycarpa is common along road-sides. I have found some frightful

grow to perfection only in deep shade. The one, the Asarum Virginicum, is scarcely less remarkable for its singularly shaped & colored flowers than for its large and cordate evergreen leaves. These are elegantly marked with white (like a Caladium) on with red in Winter, & when scattered in tufts up the side of a hill, with the flowers peeping from beneath, they present as beautiful a sight as a botanist can desire to see. The other is still more beautiful, — the Galax aphylla. It sends up, from its running rootstocks, masses of long-petioled, round, and remarkably lustrous green leaves, & slender spikes of pure white flowers. Like the first, it is an evergreen, though not mentioned as such in the Manual.

But I fear I am digressing from business. You will receive with this, if the mail does not serve me as it

Bedford Co., Va.
July 18, 1867.

Prof. Gray. —

Dear Sir — Your favor of the 6th. inst. was duly rec'd., and I am greatly obliged to you for determining the plants I sent. The grass was quite immature when I wrote, so that I probably did not describe it very correctly, but as it matured I saw plainly that it was a Festuca, from the adhesion of the grain to the palea, &c. I was surprised to find the little plant (Alchemilla) to be a member of the Rose family. I could not locate it, of course, not being able to discover any stamens whatever. I shall endeavor to obtain specs. of P. Cornifolia for you, but it is extremely doubtful whether I shall be able to do so. Possibly I may find it here, and I shall request a friend of mine at Alex'a

to look for it there, but as he is not a good botanist he will probably mistake some other common species for it. As to the Carex intumescens?, I think we shall have to abandon that for the present. I remember to have sent you what I took to be early and late states of the same species. The early one was certainly peculiar, but the other, I think, was nothing but the true C. intumescens. The plant I mentioned to you as growing here was identical with the latter form, and I concluded, therefore, at the time of its maturity, that it was not worth collecting, and after I rec'd your letter it was of course too late. — In the course of my botanizing here, I have observed & noted down from time to time various points for remark or inquiry concerning the plants I have found here, and I will now mention some of them. I would have sent you the specimen of Sarothamnus before this, but concluded to wait till I heard from you again, as I might after that need to send other specs. Would you like more than one spec. of Sarothamnus? It will give me great pleasure to supply ~~anything~~ you with specs. of any plant I have. The Broom is much less ornamental in point than in flower, the pods (glaucous-black & white-fringed) being quite conspicuous & unsightly. We have many very beautiful plants here, the Silene Virginica, Chamaelirium, Viola pedata, &c., being among the commonest. But above ~~them~~ all others I value two in particular, which would be a conspicuous ornament in any conservatory; but, unfortunately, they

I found the E. Virg. at Chlex'a, & it cannot be the other species, for the leaves are not ~~not~~ linear, certainly, but quite broad. Before the stems appeared I took it to be an Agave, ~~but the~~ from its general appearance, - but the leaves are not fleshy, only thick - & wavy, and fringed with minute bristles. In this connection I would mention what appears to be an omission in the description of E. Virginicum, i.e., that it has root leaves different from those of the stem, - long-petioled, oblong lanceolate, obtuse, & entire, or very slightly crenate. - I meant to have mentioned before that the common Sweet-Brier of this country seems to be the R. micrantha, it having all the characters given in the description of that sp. The Ailanthus seems to have escaped from cultivation here (I have not seen any cultivated tree of it, however) & is quite common along road-sides, &c. within a mile and a half of the village. It does not grow over 12 or 15 feet high, but I have seen it full of fruit at that height. The flowers are ~~all~~ perfect, with 10 stamens & 5 pistils in all I have examined, & odorous. - I found a tree of Fraxinus Amer. with polygamous flos., the two sexes about equally divided in the panicles. I have observed several trees of F. pubescens, & find the No. of leaflets to be about equally 5 & 7, never have counted 9. There is a plant rather common here which I suppose to be a form of Silphium trifoliatum, but the leaves are all opposite, the lower often coarsely serrate, & thinner than in the common S. trifol. I think too that the achenia are not much toothed. But I have not observed it closely yet, nor gathered specs. of it, nor of the Eryngium. Please tell me what you think of them. Coreopsis auriculata is common here, & I see that its leaves are often all simple, sometimes merely lobed, very variable. Please excuse my lengthy letter, & write me soon.

Yours truly — A. H. Curtiss.

did the last time, a small pkge. of specimens, including the Draba brachycarpa, & Galium ---- in fruit - large specs. of the latter. It seems to prefer the vicinity of roads. When among grass it trails, & sometimes attains a length of 18', & perhaps more sometimes; when it grows in open spots, it is erect, & from 1½' to 4' or 5' in height. The flowers are minute and brownish cream-color; petals smooth, obtuse or barely acute, not bristle-tipped. In flower through June & July. I have been especially interested in five varieties of Senecio, four of which are quite distinct from the ordinary swamp form, and from each other. As the distinction is in the root-leaves I have sent you one of each, but if you think any of them particularly note-worthy I can send you entire specimens.

If in writing you wish to distinguish any of them, I will recognize them by the terms Spatulate, Oval, Oblong, Large lanceolate, & Small lanceolate. All but the first (the yellowish leaf, without a petiole) are similar in height and size of corymb. That I found on a wooded hill-side — only one plant. It was only 9" high, too but two heads of flowers, & the stem leaves were very small — the lower scarcely ½" long. None of the five were woolly except at the base (at the time of flowering) except the one with the small, lanceolate leaves. This I found at Alexa, & it was somewhat woolly both on the stem & leaves. The most peculiar form, — the long, lanceolate leaf —, I have found in two places here. It has remarkably long & thick (almost coriaceous) leaves, both to the root & stem, is a large plant than the others & has a larger corymb. The one with oblong thin leaves I gathered from a rock. It is but slightly different from the common form (which I have found here in one place). The leaves are oblong, oval, or round, & taper into the petiole. — I am now collecting the late Southern Grasses for the first time, & I am puzzled in determining some of them. I send small specs. of three. The coarsest one differs in several respects from Gymnostichum — as described, the Paspalum I cannot reconcile with P. setaceum, & I cannot decide whether the Eragrostis is E. pilosa or E. Purshii. — I also send a leaf of a Carex, which I have found out of flower. I suppose it to be either C. Virg. or C. pumilum; if the latter — too far South. It had one large, but not bracted, head, & was 2°-3° high. — There is a kind of Eryngium now in flower here which I am sure is not described in your Man'l.

A H Curtiss

Bedford Co., Va.,
Aug. 11, 1867.

Professor Gray:

Dear Sir — Since I wrote you last I have had the great pleasure of making a trip to the celebrated Peaks of Otter, and having turned the visit to Botanical advantage, I have thought that a brief account of it might be of interest to you. The day we selected proved to be a clear but hot one, and, unfortunately, we were delayed in starting till a late hour, so that we did not reach the foot of the mountains, which are eight or nine miles distant from us, till nearly noon. As soon as the carriage began to ascend, I alighted with my press & went to work, collecting specimens when I found anything desirable, and then hurrying on to overtake the carriage, our limited time preventing any delay of that vehicle, so that I had to make a more hurried ascent than I could have desired, though not a particularly fatiguing one, for I have indeed to do about as much climbing every time I make a trip here, the country generally being hilly & rocky, especially in good botanical districts. Along the road-side at the base of the mountain and for about half a mile up, I observed an unusual variety of the plants which "escape from cultivation": Cannabis, Saponaria, Abutilon, Leonurus Cardiaca, Euphorbia Lathyris, and especially the Ruta

gravedens, which grew in great abundance among the rocks along the road-sides. After the first half mile nearly all [illegible] ceases, the surface being deeply shaded by the forest above, and almost entirely covered with rocks and stones, the road in many places seeming almost impassable. After traversing this stony desert for a mile or so, we emerged into the notch between the mountains, where the road is smooth, with houses and cultivated fields on either side. There is a swamp running through this notch, but I could not stop to examine its vegetation; that of the road-sides was not peculiar. But we have now reached the point where we must begin to climb again. On the one hand we are invited to the huge form of the Round Top; on the other to the equally high, but conical & volcanic-looking South Peak. To the latter, like most tourists, we turn our course, & commence the ascent, zigzagging our way up its steep sides, still, when about half a mile from the summit, we come to the end of the carriage road. Thence we climb with difficulty up steep, stony paths and over rocks piled on rocks till we approach the summit, when, after groping our way amongst overhanging rocks & dense shrubbery, we stand at last upon the highest soil in this mountain state, and at the base of the famous Crown of Otter, a mass of huge rocks piled on upon another to the height of sixty feet. By carving upon these enduring tablets some hundreds of humble aspirants for immortality have been enabled to ~~hand~~ perpetuate their names or initials through all coming time. Now clambering up these rocks as best we can, for the way thro-ughout is innocent of artificial aids, we mount above the topmost rock, when a scene bursts on the view which would well repay a much longer journey. Eastward the hills and vales blend into what seems to be a great, sunlit plain, stretching away as far as the eye can reach; directly north towers the Round Top; and to the West the mountains of Western Va. present a vast, billowy expanse, like a storm-swept sea. Looking downward, the rocks we stand on seem suspended in mid-air, so isolated from earth do they appear. But the hour is late, and we hasten to descend. On the way we stop to refresh ourselves at a very large spring of beautiful water which gushes out of the mountain-side, & goes tumbling down along the road-side, relieving the gloom of the sombre, rocky forest, and accompanying us a mile beyond the base. At intervals we catch glimpses of the beautiful landscape below, from ~~intervals~~ openings whence, three years ago, the people of Bedford Co. first caught the glitter of the bayonets of the advancing Union army, carrying fear to the hearts of the masters & joy to the enslaved.

The vegetation as we left the gap became very rich, and toward the summit it was wonderfully luxuriant, the dense masses of Rhododendron, Azalea, Acer Pensy., Spiraea salicifolia, S. Ammana, &c., nearly choking the way. It seems very strange that the S. salicifolia should grow at the summit of a mountain, but I am sure it

is that. I also found the S. canadensis there, & down in my vicinity I find the S. tomentosa, and both the S. americanus & S. opulifolia common. The rocks near the summit were very beautiful being clothed with Ferns, great Lichens, masses of the beautiful Houstonia villosa, Campanula divaricata, Saxifraga leucanthemifolia, &c. Of the latter I will send you a specimen, as I can of any other you may desire. I found the Sedum telephioides, and two other species, which I think you do not describe. One of them grew on the ground, and the leaves at the ends of the branches were in dense rosettes; the other on rocks, & most resembled S. stenopetalum. Neither were in flower, but I will send leaf specs. On the very summit of the Mt. are the Dicentra eximia in great abundance - a beautiful plant. Along the side of the peak there is an abundance of the Melanthium Virg., Rubus odoratus, Campanulastrum, &c. I also found the Convallaria, Amianthium, Veratrum parv. &c. The trees were almost entirely deciduous. I saw only a few shrubby Hemlocks. As soon as I hear from you again I shall make up a pkg. of things that I would like you to determine, & send them to you by mail. I will label the things that I am doubtful about; and if you find any incorrect, you might return me the labels of such, with the proper names written thereon. ~~I trust~~ I wish to make you as little trouble as I can, but hope you will reply as promptly as possible. I am collecting a large quantity of duplicates, in view of making exchanges next Winter, & regret that I cannot obtain a copy of the Naturalists' Directory, which would greatly aid me. I wrote last Spring to Prof. Putnam, but rec'd no reply. Could you not obtain a copy for me? I remain - Very truly yours,

A. H. [illegible]

Liberty, Va.
July 12, 1873.

Prof. A. Gray:

Dear Sir – I intended to have replied to your letter of June 30th a week ago, but the pressure of farm work has demanded my whole attention. I intend to arrange things so that I shall have as much leisure next year as formerly, but since my father died last fall, my herbarium work has fallen sadly behind. The pkgs. I rec'd from the Torrey Bot. have not been opened, & I have a large box on hand that was packed 14 months ago, but I think I shall have everything systematized by the end of next winter. I am greatly obliged to you for offering me one of

accurate study of our flora that at present prevails. I find that all vars. & forms not mentioned in a catalogue are wholly neglected by exchangers, & there is considerable confusion in exchanging with Europeans, & with those who use the Flora of that "bold, bad man", Dr. Wood, – i.e., bold in conception & bad in execution – also, bold in self-praise calling his work a "miracle" of – I am – I imagine he will not like my pronouncing very well.

I would have liked your opinion on many points, but know you cannot bestow your time on trifles!

Yours very truly,

A. H. Curtiss.

the S. African Phys. I as I have but little from time I would like much to obtain it. But from your letter I conclude you wish me to send direct to Moscow — this I fear would be very expensive & troublesome to me. Perhaps, however you may intend to receive all the return Phys. & attend to their transmission — as one —? If the exchange will not cost me over 10 or 12 dollars, I will make up for Dr. M. a good, large set of Southern & Western plants & will take care of this before any others. But I could not well send a large lot before Nov. or Dec. unless there was a special need of it sooner. I will try to get seed of Carex stipata & Silene Virginica, but may fail. I send you some of my seed Catalogues. The work was prepared a year ago, but on account of unforeseen events & the slowness of the printer (7 mos.), its publication has been greatly delayed.

Whether well executed or not, in plan it realizes the ideal I formed long ago of an exchange catalogue; I described it to you once, & expressed the wish that some one would carry it into execution. I suppose you would never in your life have performed such a piece of mental drudgery, but being a very humble worker myself, I shall feel well satisfied if it comes into use, for I think it will lead to a more close and

Lib[illegible], Va.
April 26 [illegible]

collected two specimens of it near Washington last year. Yours [illegible] truly
A. H. Curtiss

P. S. – I am glad you think of favor of my catalogue. I should think it would be useful to botanical classes. Students can obtain from it, at a coup d'oeil, a very good idea of the sequence & relative rank of orders & genera, the relationship of our flora to that of Europe & can readily compare the floras of the three most dissimilar sections. I presume I shall advertise it in the Naturalist; but its advertising cols. are so crowded with extraneous matter that they are almost worthless. A. H. C.

A. Gray:
Dear Sir – I rec'd your letter of the 17 instant night & am glad to find that I can obtain the Virginian pkg so cheaply – at lib, in fact, than my Western pkg. cost. Please send it at once, & thereby add to my indebtedness. The Australian plants you sent through Dr. Torrey I find very satisfactory, more so than another set sent me by a European correspondent.
As there is no communication between the regular express Cos. & the S. Va. R.R., I would request you to consign the pkge. first to the agent of the "Va. & Tenn. Air Line Fast Freight" at 303 Broadway, N.Y.

prepaid, the charge to N. York, & inform me of their amount, which I will remit with the $1.00 ocean freight.

I will make up a good pkge. for Macowan in the Fall, & could do so to better advantage perhaps if you would inform me to what States his other pkges were or are to be sent.

As soon as I have examined the pkge, I will write to the sender, whose address I understand to be: "Dr. Peter Macowan, Fill College, Somerset East, Africa." So, save you trouble I will send through the Smithsonian, unless you can send it more direct.

I will try to get a good lot of roots in the Fall, but in the line of seeds I cannot do much.

Aralia Canadensis is quite rare; when you wrote about it I saw Virginica, it is a soul of fruit. Cnosmodium I have exterminated. Carex stenolepis I can get if I go to the Peaks soon, as I intend to. At the same time I could get Podostemon, but how can I send it? I can also get the two sedums & the Amianthium, & presume they will go safely by mail. Will it be worth while to send roots of Convallaria? I now collect Polypodium incanum which I have before failed to distinguish from small growths of P. vulgare; they are so extremely similar in aspect, that I presume the former is commoner than is generally supposed.

I have never found Polygala Cruciata since leaving Alexandria, but Dr. Vasey writes that he

Liberty, Bedford Co. Va.
Nov. 5, 7[illegible]

Prof. A. Gray,

Dear Sir - I hope you will excuse my negligence in not sooner attending to your card of Oct. 7th.

Next year I hope to have my business so arranged that I can treat my correspondents better - I have been collecting a good many seeds for you & when I have seen [illegible] more & have cleaned all as well as I can I will send them on. I enclose some Lithospermum seed from Mr. [illegible] - I made a trip to the Mts. on the 10th & 11th of this mo. & intended to get the Podostemon for you on my return, but was belated, crossed the stream

the 2nd morning but the fog was so thick I found a considerable growth of it on the bank of a "branch" - although the location was not very moist, some of the plants were fully 18° high! I also found a shrub this fall that I never saw before, living or dried. I will enclose a bit if I can find it by the sending this to the mail - on the leaves alone I would not venture to determine it.

I am glad to see the Hebm. paper advertised in the Naturalist - This will be a great convenience to many, & will save you the trouble of supplying it - I hope to have some mounting done this Winter but an unexpected guest in the family will somewhat frustrate my plans - Your very truly

A. P. Hamlin

[illegible] dark, & so [illegible] to
find it but I will try to
send it next year —
In regard to the Trichomanes
radicans which Prof. Peck
found in Ky., as you said
nothing about it in your reply
to mine informing you about
it, I concluded you had
heard about it from some
other source — But I now
send you a good specimen.
Most of the specms. I recd I
have sent off Prof. Eaton,
thinking they would be most
valuable to him. I have
searched for other stations of
Polypodium incanum — in the
Mts. & in the "flat-woods" but
have found none, although
I have found patches of Polypodium
looked just like it at a
little distance —

Prof. French writes that he
did not secure any specs
of the Phlox stellaria, but
got a small exhibit of H. & P.
specs. He promises me 2 or 3
specms. & I will send you the 2d

A lady was telling me to-day
that at the West she had seen
8 "vars". of the Wild Plum !!
Perhaps this is no more re-
markable than the variation
in Diospyros, but Patterson's
specm. shows that there are
more important variations
in the genus.

I enclose a branch of a panicle
of what strikes me as being a
remarkable form of Phragmites
You will notice that the glumes
are nearly or quite equal & that
they nearly or quite equal the pa-
also that the upper palea is
three-awned — I never saw

Liberty, Va.
Oct. 19, 1871

Prof. A. Gray:

Dear Sir – I have procured from the vicinity of Jacksonville, Fla., a couple of specimens which I forward, thinking that one or both may interest you. One I take to be a form of Sida Lindheimeri & the other Bletia verecunda – I am confident that Bletia aphylla has leaves, but cannot now prove it – Summer before last I found two specimens of it in Fl., & so I came to know its peculiar coralline roots. Late in the fall I found quite a patch of what looked precisely like the leaves of Aplectrum, but on digging for its roots I found them to be identical with those of Bletia. Last summer

I searched for them but found not a sign of them. or 2lo. N xl Nov. I will look again, & if found will preserve specimens. & cuttings & roots.

You may perhaps remember that I sent you the foliage of a wonderful tree-shrub last fall. You guessed it to be Cercis; Prof. Porter, Alex; & Azalea. This year it made a very faint attempt at flowering sufficient to show that it was an Oxydendrum (with linear-lanceolate leaves). Its buds, as you observed, are like those of Cercis, & so is its vernation (like Azalea, too) & since I had the best chance to judge, I saw that it had the Cercis habit, & that its foliage was remarkably like that of the low round form of Azalea nudiflora. I will keep an eye on it; if it sows itself, a new var. may arise therefrom.

Mr. Strivier sent me a specimen of Biden from Wytheville, which is evidently the same rank form of B. cernua that I found near Alexandria.

The same party who came near humbugging me about the Veronica chamedrys is now exercised about a wonderful Cucurbitaceous plant, the seed of which, he says, came from Fla. where it is given in the name of "Wash-rag Gourd". He says that "the internal fibrous tissue surrounding the seeds is taken out when ripe, cleaned & used as a towel". The plant is "semi-thick", with "small fls." & "exhales a rank odor". What do you think this is? Luffa aegyptiaca?

Yours very truly

A. H. Curtiss.

Near Jacksonville, Fla.
Sept. 30, 1876.

Prof. A. Gray.

Dear Sir - I was much gratified by your letter of the 12th inst., and supposing that you are now returned to regions more classic than Jonesboro, Tenn., I will write you more definitely about my contemplated distribution of O. plants.

My plan is to select 300 sp. for this year's distr. & the same number for next year; but whether I shall confine myself to the first this year or distr. both in part will depend on the number of subscribers. Although my stock is large, I might not be able to find 300 sp. which I could distr. to 15 persons after reserving a set for you & for myself.

Spring commencing - Mocking birds are singing again & new plants appearing as rapidly as in June. I have now found 15 sp. of Cyperus & 16 of Panicum (& more to come?) P. molle is abundant on my own river shore - P. melicarium & P. virtellum I have from Ga. - several sp. I cannot determine satisfactorily. P. dichotomum in its numerous & interesting forms I have not collected here. Of fall plants I find the grapes most attractive - Erianthus, Eustachys; Andropogon Eragrostis, Ctenium, & the exquisite Sorghum secundum (?), which must be seen growing to be appreciated.

I shall be greatly obliged for any assistance, including advice about the method of my distribution.

Yours very truly
W. H. Curtiss

In that case I would send you 600 sps. & divide those sps. among the subscribers, completing the 2 sets next year. In future years I could collect in proper quantity. I would have a No for each sp. & keep an exact record of the No distr. to each subscriber, so that afterwards I could complete the sets, as also the specimens if lacking fr. or fls. If the number of subscr. should warrant the expense I would have printed labels for each sp. If you will take the trouble to send brief notices to the leading journals, home & foreign, pretty soon, I shall know by the end of fall how to go to work. By that time I will have my plants systematised & be ready to make up your set, & by the time you have examined them & revised my labelling I shall know definitely how many sets to prepare.

In your announcement I would wish it to be specified that you would make such revision, & that it is my intention to collect & distr. complete herbaria of distinctively Southern plants, the sets or fasciculi to consist of 300 sps. & vars. each, one to be issued each winter or spring. Price, $25. per set, charges prepaid by mail, or by express to New York. (At small expense I could send a box of packages by steamer to N. Y., to be forwarded from there by a friend.) The specs. will be on white paper, & the labels printed if subscriptions warrant it —

I was surprised to hear from you in Tenn. Those S. Mts. are delightful — some of them; but they are going into their sere & yellow garb by this time.

Here there seems to be a second

Jacksonville, Fla.
Feby. 18, 1878

Prof. A. Gray:

Dear Sir – At last I have your reply to my letter of Nov. 19th, & now I must, in turn, apologize for the delay in sending the set of plants I promised you. I did not receive the last of my labels till the middle of Jany., & on reflection I concluded that it would be altogether better to make up your Exc. with the rest, as I am now doing – I am distributing my plants into thirty sets of from 100 to 1000 specms. for exchange & sale, & my progress is necessarily slow – I calculate to finish by March 10th or 15th, when I will send your Exc., which I hope you will find worthy of incorporation into your herb. After examining it I hope you will be willing to write a notice of my distrib. it

The snakes are now sunning down their old leaves in showers, making ready for a new suit of clothes; the Gessamine is in flower & the oranges in bud – The floral year ~~seems~~ here Decr. 31st commences Jany. 1st. The old snake-with-its-tail-in-its-mouth ring might symbolize it, but would not be quite the thing for Flora's finger!

Last month I saw two rattle snakes, all winter has the voice of the frog been heard in the land, & last week we had a rousing thunder storm. But I must close or commence on a new sheet, which I shall not do, for I would need to date it Feby. 19th & you would exclaim, What an intolerably tiresome scribbler is that

A. H. Curtiss!

for one or more foreign publications. But do not think that I expect this or any other service in return for the plants!

Prof. Maximowicz wrote me that he desired you to attend to the forwarding of a pkg. from me – I fear this is asking too much of you, but if you do not object I will send his box with yours (prepaid) – I fear it would not be safe to ship it from here direct to St. Petersburg.

To foreign subscribers I think it will be best to send Fasc. I. with F.H. The latter I hope to have ready in Dec. Meanwhile I can probably find some party in Europe who will receive & forward them – If I can send several together I will prepay the charges to Europe.

I sent the plant which you call Melodinia serrata to Dr. Chapman, & he writes that it is what he describes in the Gazette for Jany – as Riedlia hirsuta, DC. – found by Dr. Gray at Savannah – Perhaps your name is a synonym –

Many of the new plants he describes grow around here –

Will you be so kind as to write on the enclosed card the name of the little plant (also enclosed) if you recognize it. A patch of it has been growing in my yard ever since I have been here – but not till to-day have I seen a flower on it. Of the three that have opened two had 4 petals, one 6 sepals, & all 5 stamens. It must be a relic of cultivation, perhaps planted by the Marchioness. Until I know the name of the pretty I will call it Picciola – What is there in prose more exquisite than Saintine's story of the prisoner's flower, Picciola?

Near Jacksonville, Fla.
March 25, 1878.

Prof. A. Gray:

Dear Sir — I have to-day shipped a box to you, which will probably reach Boston the last day of this month. Besides the package for you, which is not wrapped, are pkgs. for Profs. Sargent & Farlow (of which they are notified), 3 pkgs. for Prof. Maximowicz, and last but not least (except that I am least warranted in sending them) ten of my fascicles intended for European distribution. — It is so difficult to "bring things about" that I concluded I would send them over there and trust Prof. Maximowicz (in whom I have perfect confidence) to get them into the hands of purchasers when the latter are found. — Prof. M. will at least send them to some agent in Berlin, which is scarcely

responsible. — If the sets cannot be sold, they will at least be of use to the botanical world. — The ten thousand specimens I have just distributed could not have been obtained of others! That idea counts me $1000. & the few dollars I receive now & then of the ordinary, commonplace sort, added to that amount, make up quite a respectable income for one whose chief pleasure is in the sweat of his brow. — But there are not many at the South who view the matter in that light. — During ten years of active exchanging, I obtained a far greater number of plants from Japan, from the Sandwich Isds., from Siberia, from Africa, from Australia, & from Nova Zembla, than I did from all the Southern States!! The same is the case, doubtless, with most botanists; but it need not be so long if you will tell them how I desire to serve them! —

Yours very truly, A. S. Curtiss

farther from St. Petersburg than Chicago is from New York. I do this supposing it will occasion you no more trouble than the sending of Dr. Palmer's package alone, and that you can pack his plants in my box. Any expenses you may incur in my behalf I will refund to you. As to Dr. Maximowicz he can deduct the portion of the freight chargeable to me from the amt. due for the plants sent him. But if you know of any better method of managing my plants, I will thank you to use your discretion. I was anxious, at least, to get the plants away from here, where they are in great danger from vermin — quadruped & polyped — from mould & fire — especially if I have home for a term of months.

My subscriptions in this country have been so few that I shall have to look to Europe for means to carry out my plan. If I can dispose of ten fascicles I shall be all right.

One leading expense is the care of my place while I am away.

In making up Fasc. I. I have used those sps. of which I could give liberally, & which were, at the same time, strictly continental. If Fr. or Fl. are lacking in one set they are in all, & will be supplied as addenda to future fasciculi. The only difference is in Fascs. 11 (yours) & 1, which contain a great deal of fragmentary material (for dissection). Fascs. 11 & 1 (the latter in light-colored paper) are as nearly alike as can be, except that yours contains many extra things which I send for your examination. I would be glad if you would put F. 1 in the hands of some one who needs material for actual work. Use your discretion about the management of the acts, & if any mishaps occur I will not hold you

Jacksonville, Fla.
April 23, 1878

Prof. A. Gray:

Dear Sir — Your letter of the 11th ~~was rec'd~~ arrived while I was exploring the shell islands at the mouth of the river. I made a large collection & many interesting discoveries as to geographical distribution. The No of sps. not growing near J'ville & which I could identify was 42. Of these, according to Chapman, 12 have not been found in E. Fla., 6 not in Fla. at all, & 2 not in the S. States. Everything I think is well known, unless it be a Vicia. I presume it is V. micrantha, but it has lanceolate leaflets & only 1-3 seeds.

I wish to send you a few things before I have labels

printed for them - It is singular that I made so many blunders with the Solidagos - I must have put in a small specm. of S. pilosa with your S. tortifolia - I am sure that both are very common here. I will send you another specm. of the latter, & if true, will distribute a new set -

Your proposition about sending my sets to the bookseller at Leipsic is perfectly satisfactory Any expenses chargeable to me I will pay promptly - Would it not be well to send all - I hardly expect more American subscriptions, & if there should be I can make up more sets next winter -

Thanking you for the interest & trouble you take in my behalf I remain Very truly yours

A. H. Curtiss

Jacksonville, Fla.
May 25, 1878.

Prof. A. Gray,

Dear Sir — Your cards of May 16th & 18th were duly recd. as also the circulars from Silliman's Journal, for all of which I am much obliged —

You wrote you had disposed of one set — I suppose I shall hear from the purchaser in due time — I have been waiting for a friend of mine to take my house, but fear he will fail me — In that case I shall make this my headquarters during this season & go off early next year — I have been making a very large & satisfactory collection this spring — Have now in press sets of Canna, Magnolia, Sabal etc. After these are dried, I

P.S. I enclose a M.O. for $5. for which please send me the new vol. of your N.A. Flora, & oblige — A.H.C.

intend to spend a week up the river.

I have had two courses of the "chills" this spring, but have not been weakened at all. Yesterday I collected for about eight hours on the white sand ridges, the temperature being nearly 100° in the shade, & the sand burning to the feet.

An umbrella is my constant companion & it is seldom closed. The luxuriance & beauty of the vegetation which clothes this sterile region of pure sand & its exemption from the ordinary effects of drouth are truly surprising. Depth of root & humidity of atmosphere are the causes I suppose.

Jacksonville is well but apprehensive of a visit from Yellow Jack — with plenty of confidence in her own future as the great amount of building now in progress attests. The city has improved wonderfully within a few years. Since I came the two best hotels have been built, others built or remodeled & an elegant hospital, jail, market, boat-club house, engine-house, several churches, fine business-blocks & private residences have been added to the adornments of the city.

But I must not spin out a long letter just because the thermometer has cooled down to 92°.

Yours truly

A. S. Cantey

(over)

Near Jacksonville, Fla.
June 9, 1878.

Prof. A. Gray:

Dear Sir – I have recd. your letter of May 30th and the Flora – a work of inestimable value – I am mystified about your paying freight on the box I sent – I certainly prepaid the charges to Boston – probably the receipt was destroyed after hearing of its arrival, but there is no question about my having paid. To charge it against the Hort. Cantab. is very kind in you but the matter ought to be investigated – I dislike to appear in a false light either through my own fault or that of others – An instance of the former was the sending of Zamichellia instead of an undetermined Potamogeton – both were collected the same week & in the same

manner & probably got mixed.
I am sorry my first Fascicle has caused you so much trouble, but future Nos. can be managed differently. There is a Bot. Directory published in Europe & if I can obtain a copy it will probably be of service to me. Am I right in reading the name you gave of the gentleman in the Br. Museum Dr. Carruthers?

When was Prof. Maximowicz's pkg. sent? { A Boston check will serve me, tho' a M.O. or N.Y. draft would be more convenient.

Your notices in U.S. journal are all I could desire certainly & I am a thousand times obliged to you. I think U.S. purchasers have been pretty well supplied by Drs. Palmer & Gordon.

I expect to spend the last half of this month up the St. Johns, travelling in a small boat with a man to assist. - hope he will not serve me like Bartram's boatman, get tired of travelling with a "fuck fuggy" after a few days, give a whoop & vanish in a convenient forest.

What a noble river is this broad, placid, blue St. Johns - now incarnadined by the setting sun! Ane she is old & near her last resting place - the ocean; ere I write you again I hope to become acquainted with her younger self.

Very truly yours

A. H. Curtiss.

Near Jacksonville, Fla.
July 20, 1878 -

Prof. A. Gray:

Dear Sir - I have seen the agent of the steamship Co - which collected charges on my box at both ends of the route, & he has refunded to me the amt. you paid, viz. $3.85 - So you may deduct that sum when you come to make a remittance to me - It seems they charged you $1.15 more than they did me - but they had the trouble of taking it around by New York for nothing -

I am much obliged to you for replying to the communication of Mr. Hurst - I have nothing to do with European plants now, & therefore would not exchange with the gentleman -

I will send with this a few plants which I wish you would determine. They are characteristic specimens

but not my best looking ones -
All but the Umbelliferous plant
will be in my next fascicle, so
you may throw them away - The fern
grew on a shell mound near the
mouth of the river; the Vicia
in a rich moist woods; the other
two in river swamps -

Yours very truly

A. H. Curtiss -

A. H.

Vicia floridana, n. sp.
Berula angustifolia
Hygrophila ? Dr Gray to examine
Cheilanthes microphylla, var.
A. Curtiss

$20 -00
less 3.85
$16.15

Money Order
per Mrs

Mrs Brown

Talleyrand Place, Fla.
Aug. 18, 1878.

Prof. A. Gray;
Dear Sir -
Your two cards of the 9th inst. are rec'd - I can answer one of them best by returning your letter of May 30th, which will supply the lost memoranda.
If you don't know the amt. due from me on the box to Weigel, you may deduct what you think will be the maximum amt., deduct that + the $3.85 over paid on box from me - from the $20. due on the set sold to Wellesley College, & send me the balance by postal order -
Do you know whether the College will want future fascicuLi?
According to present indications there will not be sufficient demand for my collections to incite me to

very violent exertion. Therefore I intend not to destroy more than three pairs of shoes this season, just to add greatly to the revenues of the A.R. & S.S. companies.

Weigel's circulars, of which you sent me two, are, I presume, as good a European advertisement as I could have. I had thought of sending out circulars, but as I get no response from the editor of that Belgian directory, I lack addresses.

I intend to make up a second fasc. of 200. sps. at any rate, & am also collecting material additions to fasc. 1. Of Dimeria I have complete specms. to substitute, fl., fr. & nuts. It is an extremely interesting shrub. Have just taken from press Cabomba, Eupatorium tortifolium, Paspalum distachyum, Hibiscus grandiflorus, etc.

I intend to start for the coast day after to-morrow, to be gone two or three days, & hope to find more good spms. of the Cheilanthes microphylla. If convenient, please tell me where it has been found before. Also, who are the authorities for two of the names sent me by Mr. Watson, viz., Vicia Floridana and Berula angustifolia.

I would have called the fourth plant sent "Calophanes hamistrata" but that it is described as having white fls., whereas those of my finding have fls. of the same purplish color as Ruellia oblong., strepens, &c.

Very truly &c.

A. H. Curtiss

Near Jacksonville, Fla.
Oct. 2, 1878.

Prof. A. Gray:

Dear Sir - I am in receipt of your favors of Sept. 25th & 27th, one enclosing a note from Mr. Thurber, & the other a postal order for a set of my plants sold to Sir J. D. Hooker, to whom I have sent newly printed labels for those wrongly labeled -

In Fasc. II. I intend to insert in the proper places such labels & specimens as are needful to perfect the first - I hope to obtain from some Southern collectors material for the completion of my 2d set., otherwise it will consist of but 200 sps. Since spring there has scarcely been a day when it did not rain or threaten rain - so it has hardly been possible for me to travel much - At present Florida is

flooded & only fit for an amphibious race. Saturday I went out collecting — tried for a while to keep my feet dry but gave up the idea & went to wading. The weather now looks more promising & I hope next week to visit Pelleromia Island. The high water ought to enable me to penetrate the environing marshes at low tide. Whenever I get a blue-lined letter from you, which I hope will be very, very often, I will send you a receipt uniform with the one on opposite page — "Paspalum obtusifolium, Ruddi" I read in Thurber's letter; if that is not the authority please correct me. Chapman called it "P. tristachyum" & probably it is the grass so called in his Addenda in the Gazette. I begin to lose all confidence in Chapman's determinations. Gray said nothing about the Setaria I sent you, & therefore shall hold to my name, S. corrugata. I sent two collections of it to Chapman, the first he called S. corrugata & the 2d S. glauca! Who ob all decide when a doctor disagrees with himself. Several of the new names in the Gazette are entirely different from those he before gave me for the same plants!

Yours in haste A. H. Curtiss.

Rec'd of Prof. A. Gray paymt. for sets of my N. American Plants, Fasc. I., sold to Wellesley Female College, M. Boissier, of Geneva, & Sir J. D. Hooker, of Kew, Eng. being three of ten sets deposited with him April 1, 1878.

A. H. Curtiss.

Jacksonville, Fla.
Oct. 2, 1878.

Please ask Gen. Munro to send me the names of the specms. lettered a to u & of all that may be misnamed.

I collected a little of Petivenia alliacea & much of the Reperonia but not in fruit - hope to find that next month. Could not find Vicia Floridana again - too late - Hope you will decide my Hoppy -

As soon as I hear from you I shall send for the remainder of my labels - Am having printed lists of contents of my fascicles. If that European Directory only contained a few hundred addresses I would send circulars to them, but I think there are one or two thousand.

Hoping to hear from you soon I remain

Yours very truly

A. H. Curtiss -

Jacksonville, Fla -
Oct - 22, 1878.

Prof. Gray & Watson:

Dear Sirs - I regret that I could not sooner attend to your favor of the 4th inst. but the week following its receipt was consumed with a trip to the coast, preparations for it & care of the 3-400 specimens brought home which were mostly of the most troublesome sort, such as Iva imbricata & Batatas littoralis.

I mail a package with this containing about a hundred specms. of grasses for Gen. Munro and eight other specms. for you to examine - The latter are lettered from A to H, & I will make no comments on any except three - E is fruit & a large leaf, toothed as much as any, of the Ipomoea sent last month which

you called "D. hederacea, var. with entire leaves" – I have a full set of it & if you think it worth putting in my next fascicle I wish you would give it a name. (If you do so should I suffix to the name Gray ined.? – which I understand to mean without published description. Including this & the Batatas I shall have six sp. of Ipomoea fl. & fr. for the next fasc.

G & H are two Coreopsis which I cannot determine. G I would call C. gladiata but that I distributed that sp. & it was too different. H I rec'd from Alabama –

E I have called Desmodium strictum, but wish to be sure before distributing it.

I wish you would look over the grasses & note any obvious errors, especially in regard to those having labels turned over & marked F 2 which are designed for 2d fascicle – especially Eragrostis nitida, Uniola nitida & the Muhlenbergias & Setarias M. filiformis (?), though so marvelously delicate, grows on the open sea-shore, not pushing out among the very breakers like Uniola paniculata, but yet exposed to the sea winds. It is of a bright red or crimson color & growing in dense masses presents a brilliant appearance. The other Muhl. seems unusually short-awned – is it worthy of distribution? The Uniola nitida varies from Chapman's description in regard to structure of flowers & length of panicles – the latter often exceed the culms in length I think. Please also to examine the two Setarias carefully. The Panicums & Andropogons are sp. Chapman's naming –

Will you have an opportunity of sending a small parcel to Maryinnovicy next spring?

C.

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., Dec 22 1878.

Cost. Texas

Dear Sir — I feel
so engaged with it will be some
de[illegible] to continue to [illegible]
my fascicles as heretofore. It will
examine this safely & greatly accom-
modate me. and I will send you
a set for the Harvard herbarium better
I think, than the first.

I suppose you have two or three
of Fasc-1 on hand — I will thank
you to send two of them at once to
Dr. Geo. Engelmann, St. Louis, Mo. 3103 Locust St.
[illegible] have them bound together to
save exp. charges — A matter of ex[illegible]

Please hand the enclosed note
to Mr. Watson & ask him to send
me a copy of his Catalogue
by return mail —

[illegible] take [illegible] [illegible] line or more –

Hoping that the new year will bring you much pleasure, prosperous and fresh [illegible], I remain

Very [illegible] truly

(Rev.) H. H. Curtis.

P.S. If you have three of my fascicles on hand please send one to

John Macoun, Belleville, Canada –

I am making up a few more –

C.

2d. I am engaged on a botanical collection for the U.S. University. Have you anything to contribute towards the enlightenment of the state which will support free-setters & the mother of presidents (& traitors). Specimens of U.S. tree growth, etc. – I am only allowed $2.00, miscellaneous specimens, are not to afford that sum, but intend to send double the money's worth if from [illegible] without much outlay.

H. H. C.

[illegible] to P.O. I found the Money Order department closed for the day – Please send the Cologne – I will remit [illegible]

at the express office, but could not pack them so.

The charges ($14.) to Cambridge I have paid. The tree fro. for you are in the middle of the large box. I had to pack rather too hurriedly & to use an old box, but I think it will all be satisfactory. Your fascicle contains some additional material — for determination & direction — the rest are all about alike, but I wished to know who had each No. & when you send one to a new subscriber, I will thank you to notify me of the No. so I have a record of their contents. They each lack ten sps except the ones for you & Rev.

I will communicate with Prof. Munro as you requested on the 25th ult.

Yours very truly

A. H. Curtiss.

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., March 3, 1879

Prof. A. Gray —

Dear Sir — I have to-day shipped my winter's distribution, half of it being consigned to the care of yourself & Mr. Watson according to previous understanding. The two boxes sent you contain 18 fascicles and 7 parcels for persons living — most of them — in your vicinity.

10 of them are directed & simply to be forwarded, 7 are to be retained till applied for, one is for you, & the rest are to be forwarded according to the following list provided you think the parties want them.

I intended to put all ready for deshipment into the small box, so that it might be distributed (see p. 4)

Contents of larger box

No. of Face.

J 7 – Intended for you × Tokum
8 " " Kew
20 –
21 – to weigel
22 – "
23 – " " Future subscribers
J 35 – To J. T. Rothwell – Mar. 31
36 – to Kew
37 –
J 30 " " Tuckerman For^d, Mar. 12
J 33 " " Cosson For^d, June 16
One addressed to Maximowicz For^d, June 20
J " " " Denslow × For^d, Mar. 12
J " " " Miller × For^d, "
J " " " Brown × For^d, "
J " " " Seribner × For^d "

Contents of smaller box

Face.

J 2 – Directed to Pringle × For^d. Mar. 12
J 5 – " " Watt × For^d, "
J 9 – Intended for Tuckerman × For^d.
J 10 – " " Boissier × For^d.
12 – " " Wellesley ✓
J 18 – " " [S. Prague] To Rothwell Mar. 31
J 26 – Directed to Macoun × For^d. "
J One " " Morong – Deliv^d. – "
J " " " Robinson ✓ × For^d 14

You wrote that a party in Munich wanted the two faces. I sent through the Smithsonian. I have accordingly sent them to Prof. Baird & written that you would send him the proper addresses. Charges (2.25) prepaid. I have let so many faces go to exchangers that there are not many left for future applicants.

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida. March 17, 1879

Mr. Watson - Dear Sir:

Your note of the 12th inst. leads me to fear that there is a misunderstanding about the packages sent, & that you intend to retain them all till called for. If this is the case the parties to whom they are directed will have to wait till April for them & will lose all patience with me. Those I sent to Mr. Patterson were promptly forwarded & I already have returns for them. If you have not done so already please forward at once those directed to Pringle, Watt, Macoun, Mooring, Robinson, Dinsloe, Miller, Brown, & Scribner.

I would like you to drop a line to

Mr. Sprague enquiring if he wants Fasc. II. You know best about sending those designed for Amherst & Wellesley Colleges, & those wanted at Kew, Munich, Geneva, & St. Petersburg.

If there are any further expenses let me know & I will refund them. I have no $1. bill at hand now.

I am greatly obliged to you for helping about the Compositae. I hope soon to see the missing link between your new book & Prof. Gray's. The Compositae I hope you will arrange systematically.

Yours truly

A. P. Hamlin.

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida. March 31, 1879

Prof. Gray:

Dear Sir – I intend to leave for the Indian River in about two weeks –
My correspondents are very slow in settling with me, & I fear it will interfere with my plans – When I leave I shall take enough money along to last me six months (I intend to hire a man & boat) & I don't intend to entrust anyone here with the receipt of money for me.
To avoid misunderstandings & to give the parties owing me a gentle reminder, I have written to them that unless they pay by April 12th I desire them to make payment to you

One party owing me $50. will not pay at all I am certain, & the other delinquents will not burden you seriously - The European subscribers I have left to you & I would prefer them to pay you - the parties at Munich, Geneva, Kiev, St. Petersburg & the "Berkeeller". I have notified Prof. Tuckerman similarly, because payment by Colleges is circumlocutionary, & I don't want the money to come here after I leave, because there will be no one here to receive it - Just before leaving I will send you an a/c of dues, & by making memoranda upon it, I think you will be put to very little trouble.

If you have any remittance to make it must be by Apr. 12th

Perhaps you would be willing to advance the Amt. due from Amherst - Should you do so & the remittance have already arrived from there I will refund the Amt. to you - Enclosed I send one dollar, the Amt - I believe you paid for local expressage.

Yours very truly

A. D. Curtiss -

Jacksonville, Fla.
May 9, 1879.

Mr. Sereno Watson;

Dear Sir – My departure for the Indian River has met with repeated delays, but unless something now unforeseen occurs I shall start to-morrow. I therefore send you an account of my dues at present date. Prof. Ward writes that he has sent you $25. I hope the others will pay soon & that you will not consider it too much of a tax to receive & deposit the money, & send it all together after my return. I shall probably write to you frequently. Please address me at Titusville, Fla. which will be my base of operations.

I sent you my 2d & only specm. of Schoenolirion croceum a few days ago. I find one specm. a year – in rather moist & rich "pine barrens" – in such localities as suit Chamaelirium & Amianthium – Am sorry I failed to secure the roots – (See 4th page)

Acts. due A. H. Curtiss, May 1, 1879,
to be retained by Mr. Watson till called for
by A. H. or F. A. Curtiss.

Fascicles now at Cambridge, unsold:
N.B. – The one sent to Corson crossout.

			№	
–	D. A. P. Watt, Montreal, Canada (Fasc. 2)	~~$20.00~~	12² –	To Karl Keck, via Weigel, Leipzig – Aug. 7/1879 see below
J	Prof. J. M. Safford, Nashville, Tenn. "	20.00 net		
J	Dr. J. F. Rothrock, West Chester, Pa. "	20.00 net		
J	Boissier, Geneva, Switz. "	20.00 net	20 –	Supposed sent in Corson
J	Munich, Bavaria – F. 1 + 2	40.00 net		
J	C. G. Pringle, Charlotte, Vt. –	16.00 net		
J	H. A. Ward, Rochester, N.Y.	25.00 net	21² –	To Weigel, Leipzig, as per order [illegible]
J	Rev. J. H. Wibbe, Oswego, N.Y.	15.00 net		
J	G. C. Woolson, Passaic, N.J.	22.50 net $25.		
–	C. J. Maximowicz, St. Petersburg, Russia	~~12.50~~	22² –	
J	A. Commons, Faulkland, New Castle Co., Del.	9.00 net		
J	J. H. Redfield, Philadelphia, Pa.	5.30 net		
J	Prof. F. C. Porter, Easton, Pa.	3.50 net	23² –	To Gr. Regel, Jan. '80 – as per order
	One Fasc. with bookseller at Hamburg	20.00		

J 36¹ – With n. 12, to Karl Keck Rec. $36.50 & remitted to Mrs. Curtiss, Nov. 17/1879.

37¹ – To Gr. Regel, Jan. '80 – as per order

I enclose a letter from Dr. Keck of Austria. I have written him that I have the matter with you, unless you see cause for not doing so I wish you would send the fascicle to him through the Smithsonian or otherwise –
You would then have only two left. Perhaps I may be able to put up some more of Fasces. 1 & 2 next winter – I used so many in exchanges.

Yours very truly

A. D. Cantiff.

Dear Sir — You may as well forward the $25. rec'd from Mr. Woolson & any other payments, when rec'd — unless more convenient to you to make payments at stated intervals — I have not heard anything about payments from Weigel.

Yours Truly

A. H. Curtiss

Jacksonville, Fla.
Oct. 28, 1879.

POSTAL CARD

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Box Sent Jan 7 3

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., [illegible] 4 1877

Dear Watson, Esq.

My Dear Sir

[illegible] obligation to [illegible] of Nov. 3, 13, 15 & 17. [illegible] I at least send you some stamps. – I would that I could express my gratitude for your generous services, but words are things of uncertain value, too often put to the use for which Talleyrand held they were made. To business: Please cancel the obligations of Messrs. Worlson, Watt, Maximowicz & Keck. – I know of no individual botanist now indebted to me. – But Weigel had 2 of Fasc. I & I think I rec'd payment for one & 2 " " II. You wrote me, last summer or spring "Weigel of Leipsic, has taken 2 sets of Fasc.

[illegible] in exchange for the full set, which is all there is left" – So he owes either 4 or 3 or 5 sets. If you did not send him the "full set", I wish to have it sent to St. Petersburg – directed to "The Imperial Botanic Garden, St. Petersburg, Russia – Care of W. Minlos, Lubeck" – I hope to have a new series of Fasc. 1 & 2 ready a year from now. I expect to obtain materials for Fasc. IV from other S. collectors.

Please let me know whether you have the sets for St. Petersburg or not. I was much interested in your final determinations of my Indian R. plants. I cannot say whether Atriplex cristata is annual or perennial – took branches for specimens, & did not think of the root, nor anything else except hornets.

The Comr of Agriculture has written to me about going to Key Biscayne to make an investigation in regard to wild Coffee. If I can get the Insurance Co. to risk 10,000. on me I think I will go.

We are about to organize a ~~botanical~~ Scientific club in Jacksonville. There is but little material at present, but this seed nightly planted & nursed may in time grow to fair proportions. If you have anything pertaining to the organization of such societies – by-laws or regulations – which you can spare, please send it & we will [illegible] it in our corner stone, and when you come to Jacksonville we will give you a scientific reception – The world moves!!

Yours very truly

A. H. Curtiss

Foreign Agencies.

LONDON,
H. STARR & CO.
41 Moorgate St.

LIVERPOOL,
STAVELEY & CO.
1 The Temple, Dale Street.

PARIS,
Lherbette, Kane & Co.
33 Rue de Quatre Septembre.

HAVRE,
Lherbette Kane & Co.
34 Rue du Chilon.

HAMBURG,
Matthias Rohde & Co.

BREMEN,
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BALDWIN'S AMERICAN-EUROPEAN EXPRESS

Established 1848.

E. A. SNOW, Agent,

40 COURT STREET

Boston, Mass., Jan 5th 1880

Received of Mr Seymus Watson

One Box Value, Botanical Specs,

MARKS AND NUMBERS.

Dr E. Regel
Director Imp. Botanical Garden
St. Petersburg
Russia
c/o W. Minlos,
Lubeck
Germany

Numbered and marked as in the margin, to be forwarded by us only to.....

.....*for*

Freight, $.....

Expenses, $.....

Insurance, $.....

Total,

Duties and Customs Charges payable by Consignee at destination.

It is agreed, and is part of the consideration of this contract, that said Company are not to be held responsible except as forwarders, nor for any loss or damage arising from dangers of Fire, at sea or on shore, accidents from Machinery, Boilers, Steam, Leakage, or any other accidents or dangers of the Seas, Rivers and Steam Navigation, of whatever nature or kind soever, or by dangers of Railroads, restraints of princes or potentates, or for any cause whatever, unless the same be proved to have occurred from the fraud or gross negligence of ourselves, our agents or servants, and we, in no event, be liable beyond our route, as herein receipted. ☞Not accountable for **SPECIE, JEWELRY, or PRECIOUS STONES,** unless value is declared. ☞Not accountable for leakage or breakage. Our responsibility limited to FIFTY DOLLARS, unless the value is declared by sender and endorsed on this receipt. CONTENTS UNKNOWN.

PER STEAMER .....

or other Steamer. .....

For BALDWIN BROS. & CO., Forwarders.

George A. Snow

Florida, III.

Parcels of 2 Cases
shipped March 15

	Pkgs. for Harvard Herbm			✓
	" Pringle	.01		✓
	" Watt	.01		✓
Ack?	" Fuckerman	.01		✓
	" Morong			✓
	" Lindow	.02		✓
	" Wibbe	.01		✓
In box [Dr. Gray Pkg.]	" Kew			✓
	" Boissier	.02		✓
	" H. Munich	.02		✓
To T. O. Wright ✓ Apr. 6/00	" Maximowicz	.02		✓
	" St. Petersb'g Bot. Garden			✓
Pkg. 14/04	Keck	.02		✓
	" Sargent	.01		✓
Sent	" Weigel	.05	✓	✓
Frank	"		✓	✓ ✓ ✓
		.01		
		.01		

1 to Cosson, Paris (by Dr. Gray), but pay for. – Paris.
1 to A. Brown, as per order – Apr. 2)
1 to G. M. Redfield (Aug. 1840), but pay Curtiss
Cust. T. Wright acknowledged by him Apr. 30/00

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., March 15, 18

Sereno Watson, Esq.

Dear Sir – I forward
on to your steamer two cases,
containing a Fasc. III Frame
miscellaneous specmns. for the
Harvard Herbm & 19 other Pkgs.
15 of these I desire you to
forward at once; they are all
directed except those for M.
Boissier & H. of Munich
these I will thank you to direct.
I forward also 4 Fascicles which
you can retain & forward when
applied for – Mr. Patterson will
have one extra one for some
Western subscriber and I retain
ten, which I would like to place
in your charge if you have no objection.

[illegible] kept at [illegible] I think they will not turn so dark as they will here. They are subject to many dangers here & would be much safer at Cambridge. The set of Mexican plants which I recently rec'd & send to you is worthless to any one else. If you have no collections from that region you may learn something from it & then toss it into your crematory. To avoid such a misunderstanding as arose last year, I have paid no freight on the boxes. Please settle that & deduct all expenses from the first remittance you have to make.

I intend to make a trip to Apalachicola this month & on my return hope to find enough [illegible] to enable me to start on my [illegible] in [illegible] ultima [illegible] Have prepared [illegible] Coda Elliotii for Trans. IV [illegible] Hope all will be to your satisfaction I am

Yours truly

W. H. Curtiss

Dear Sir -

Mr. Addison Brown, of New York, requests me to send him Fasc. III & I will thank you to forward him one - as I would need to prepay pst - from here. I expected to have had your criticisms ere this. Yours truly

April 22, 1880.

L. F. Ward

POSTAL CARD.

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER.

JACKSONVILLE FLA. APR 23

U.S. POSTAGE ONE CENT

Sereno Watson, Esq.
Cambridge
Bot. Garden
Mass.

Jacksonville, June 13, 1880

Dear Sir – Your postal card addressed to my son A. H. Curtis, was rec'd yesterday, & as he instructed me to receive and note the contents of all letters addressed to him during his absence, I would say that if you send Dr Gray can send remittances or letters addressed to A. H. Curtis, Tallahassee, care Pleasant, Jacksonville, and it will be all right. If you choose you may please have the check of $18.00 made payable to me – as I may need to use it. His last letter to me was dated May 28. He was at Key Biscayne, & having great success

Respectfully, Mrs H. A. Curtis

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

Mr Serno Watson
Cambridge
Mass,

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., July 30 18 81

Mr. Sereno Watson

Dear Sir - As the season
is fast receiving a little respite from
business, I will be able to send
to Gray & Sons during the summer,
as the time of his return seems
more and more indefinite, and he wishes
me to send his remittances in the form
of money orders, I now very much
regret that I did not request you
to make the whole amount in your
channels payable to me, but when I wrote
I expected him home on time in June
As all, or nearly all, the remittances will
have been received since the most urgent
have been in the shape of orders
are very much inconvenienced perplexed
especially in regard to forwarding him
money - It occurs to me that you
might be willing to take back his orders

[illegible] to me
If you [illegible] I can accommodate me
shall return in a great favor
If you cannot please return the
enclosed check immediately.
I have today received with the plants
collected by my son up to this date,
numbering the same about 35 or 40 species,
also a very choice collection of Marine
Algae which is my specialty,
I hope that you could be induced to work
upon a set of plants for determination.
Yours respectfully
M. A. Curtiss

Elytraria-like plant proves to be
- it is a gem "of purest ray serene"!
I was astonished to find such
luxuriant tropical forests in
S. Fla — from all reports I only
expected to find dispauperate specms.
of 30 or 40 tropical trees.
Dr. Chapman told me, after his
cruise in the fall of '75 that he
was astonished at the smallness
of the trees & spoke of his specimens
rather contemptuously as sticks.
I suppose Vasey paid as much
as $500. for the two or three dozen
sticks Dr. Chapman secured.
I hope they were used for firewood
instead of to represent the tropical
forests of the U. S.
But my estimate of Dr. Vasey's
ability has not been lessened
since his appointment - Not many
men of his calibre have such good luck.

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida, Aug. 12 1880.

Prof. A. Gray:

Dear Sir - I am at
home again & am gratified to find
some letters from you. From
what Prof. Sargent told me of
your intentions, I felt sure you
were in Europe all this summer.
I much regret that the package
of specimens I put up at Key
West had not been sent to you
& I now make a special request
that you will find & examine it.
You will find in it a lot of things
new - at least to the U. S.
It was a flat pkge - 11 x 16 -
addressed, I think, to Mr. Watson,
possibly to Prof. Sargent.
I will soon overhaul my
collections made between Key West

& Tampa - & send you samples - you will find them of much interesting - I solved the great botanical mystery of South Fla. by penetrating to the "Royal Palm Hammock" as it is called by those who explored the Big Cypress during the last Indian war. I could find but one person who knew the way to it & he lost the way twice - When at last I stood at the foot of these trees I beheld the most wonderful tree - except as to size - in America, & at the same time the most wonderful Orchid growing on them - both companions in the tropics, no doubt. The Palms have cylindrical, smooth trunks, some 100 ft. high, surmounted by a crown of leaves & panicles; the leaves are plume-like in appearance & measure about 20 ft. in length by 4° in width. The bud-sheaths & panicles are about 4° long. My next pkge. will contain specms. of leaves, fls. & fr. & I have sent Prof. Sargent a pkge. containing large sections of leaves & panicles - I will also send good spms. of the Orchid. It is wholly leafless, but has a multitude of succulent green summers - fls. large, white; spur 3' long; lip 2-forked, the forks long, slender & twisted.

I found the two spp. of Thrinax, another Sabal (?) & the Cocoa-nut growing wild, & have thus doubled the list of U.S. Palms (tree-spp.) & of epiphytic Orchids (one of the latter I sent from Bay Biscayne). I am curious to know whether you will find a diœcious Cactus in the pkge. sent - & what the little

that would blow us back to Key West in 2 or 3 days – But I found that the forests bordering Bay Biscayne & the Everglades needed careful examination. Here, then, was a dilemma – Should I turn my back on this work, or get myself into the mire financially. My money was at Key West & only enough for one month's expenses. I had agreed to pay my men, & could not make out my pay a/c for May until I had paid & got receipts of ~~my~~ them – From this time till the 7th of Aug – I was in constant worriment & uncertainty about the means for carrying forward my work, & I had to play the part of debtor for the first time in my life.

I decided to trust to luck & started ahead, went into the everglades at two points, found a new Anona, an arborescent black-fruited Chrysobalanus

Of S. Fla. trees, some of which extend up the E. & W. coasts as far as Mosquito Inlet & Cedar Keys, I found 65 sps. which have a diameter at breast-height of not less than 3'. Only 60 of these might properly be called trees. Of these, measuring only symetrical trunks, 4° from ground, I found 46 to have trunks 6' or more in ~~height~~ diameter; about 30 measure 1° +; & a dozen range from 18' to 3°. In all I find nearly 200 trees in Fla. & have determined the range of most of them. The range, quantity & quality of the various Pines, Cypress, Cedar, &c. I have pretty well defined in my mind, but need to travel more before I can report confidently.

I find that P. Elliottii is only second in importance to P. australis & that there is plenty of P. clausa & P. Taeda, especially as they are both worthless, as is P. serotina. Please not to divulge any of these weighty communications to any mortal ear except Prof. Sargent's, for I am oath-bound not to divulge any of my observations! It may be best for you to await Prof. Sargent's permission before reading the foregoings, meanwhile keeping this in a strong iron box, locked with seven locks, bound with seven bands & sealed with seven seals!

If I had understood the nature of the forests & weather of S. Fla. I could have saved myself a vast amount of trouble – At Key West I filled out for a two-months cruise, expecting in that time to finish the S. & W. coasts – I found it impossible to hire such a boat as I needed with two men (the number needed in these difficult waters) for less than $5. or $6. a day, & finally took up with a charcoal-boat, which with a negro & Spaniard I hired for the extraordinarily low price of $2.50 per day – All the way from Key West to Miami we had contrary & violent winds, & during that time three vessels were wrecked on this coast, one attended with the loss of 900 hogsheads of sugar. Finding so much & such heavy timber to cut & measure I could not reach Bay Biscayne till the 27th of May – I did not expect to find much of interest there & did expect to have a wind

but found none & after waiting a few days on the Caloosa, I got credited for provisions & pushed on for Tampa. At sundown of the 26th, just inside of Sarsparilla Pass we got among shoals, & had to remain there a day - This was the best luck we had, for we had to make an outside run of 40 miles & we had a splendid weather for it while for a week before there had been violent squalls every day, some that would have upset us outside. On the morning of the 29th we entered Tampa Bay & after two days of skirmishing with squalls & water-spouts, reached Tampa at the close of the 31st. A few days later a mail boat was capsized in the Bay & a steamer & wharf were badly damaged by a spout. On reaching Tampa I fully expected to find

spontaneous growths of Cocos & Casuarina & many, new herbs - & many wood specms. which I could not get elsewhere - All this with an unexpected delay about mailing the woods kept me there till June 13. when we bestirred homeward. The wind was then just reversed, light & blowing from the west, so that, with our best efforts, we only averaged 15 miles a day - reaching Key West ~~Home~~ 21 -. The negro declined to serve me further as he had become almost blind with salt spray on our up trip & the glare of the sun on the water in returning. (A young man from Jacksonville started from Key West with me but was taken with fever the third day & had to return.)

Both of my sailors were very disagreeable low men, but one cannot expect any good out of Key West – it is a perfect Sodom –.
The Spaniard was willing to go on with me & as the sponging season was over I hired a Bermudian with a better boat for $2. a day – I paid my men their ~~June~~ wages for one month & made out their accounts for the other, settled miscellaneous bills, spent the rest of my money for provisions, left my best clothes to secure my board bill, & after sending off my reports & collections of all sorts, sailed from Key West the last day of June.
In reaching Cape Sable, after a very tedious journey, the wind being dead ahead of us as usual, my new man was taken with fever & he was "under the weather" physically & mentally till ~~until~~ he reached Tampa when he took a dose of whiskey & was all right again. About the time we left Bay Biscayne the rainy season set in & we saw no more clear sky day or night & almost all the wind came out of squalls. The insects were very bad until we reached Punta Rassa. After leaving Cape Sable the weather was simply an alternation of calms & squalls, & with such companions as I had, an ugly Spaniard, a melancholy Cook, and countless mosquitoes the voyage became almost intolerable, ~~especially~~, but having no alternatives except the boat, the water or mangrove swamps, I chose the former, & at sundown, July 17, after a day of seasickness, reached Punta Rassa. Here or at Fort Myers I expected to find a remittance

to Watt & Tuckerman - I don't know that you sent the latter, & Watt never pays under 12 months. Dr. Keck writes for me to send him two sets - as he wishes them to sell again, & as I know little about him, I feel a little suspicious - A person might easily make 3 sets off of 2 of mine, & thereby misrepresent me to three persons. I once sent one of these foreigners 3000 good Va. specms, & he sent me 1000 poor foreign specms, & abused me when I asked for more - As for himself, he said he sometimes gave more sometimes less, just as it happened - I wrote no more, but "pocketed the affront" as a "huge joke" - If you know nothing against Keck you may send him the sets, or I will if I can do so through the Smith's

a large remittance, but not a penny was there - As the treasurer disregarded my instructions about my checks & as the post master said there was no office at Ft. Meyers, all my nicely laid plans had come to naught, By telegraphing home I succeeded in getting money in just a week & after settling bills left Tampa on the morning of the 8th & reached home the evening of the 10th - I now find myself with less money than I started with, my accounts being red-taped for the present - one lacking a duplicate, another a witness, & others needing to be itemized - and they know very well that my expenses were less than nine persons in ten would have made them -

I think it quite unreasonable that the Govt. should expect to hire me to do botanical work & to keep exact accounts both for one dollar a day. For mere botanical work that is enough, but who ever heard of an accomplished accountant working for less than $5. a day? Perhaps the Govt. will supply me with an accountant hereafter, and a doctor to take care of him. Three of the four men that were with me took the fever (the Spaniard last) & the other went blind, & I had to doctor them. Surely the Govt. don't expect to hire a botanist, a book-keeper & a doctor all for one dollar a day. But perhaps the Govt. tried to hire such assistants for me and failed. I never heard of any one working around the Everglades & Reefs in summer except parchment-skinned spongers and botanists. A botanist can keep well & hearty for 40 days subsisting entirely on esthetic pleasure — give him a handful of Cocoa Plums occasionally & a bit of aligator meat or jerked rattlesnake & he will work the year round.

As to my botanical accts. they are simplicity simplified, such accts. as were kept by the old Acadians & Arcadians. Take my accts, I say, & pay at your convenience, & if it becomes a hardship to pay, consider them gifts. After receiving your remittances, I find nothing due except for the set sent to Munich, the two sent to Weigel, & those directed

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., 18

The Report of Baron Egger is one of the most interesting works I ever received, & it is to be hoped that he will continue the work so well begun until he reaches as nearly as possible the Floridian peninsula, which I have been exploring for the past four or five years.
During the three months recently spent on the reefs & borders of the Everglades I found a large number of W. I. sps. for the first time & new stations for nearly all of those detected by myself & others since 1875.
In S. Florida there are remarkable forms of many N. Fla. plants, forms which perhaps link together some U. S. & W. I. sps. Chapman's "Crotalaria

maritima" is one of these forms, the degree of variation not being equal to what I have called varieties of Verbena Tubletia, Croton glandulosum etc. Our Erythrina, an herb of annual growth in N. Fla., at Cedar Keys has a woody stem 1' in diameter, at Cape Malabar 4', & at Cape Romano 9'; yet no specific differences appear. etc. etc.

There are often marked variations in color, texture & position of parts & in general aspect of living plants which disappear in drying & are lost sight of in the herbarium.

On account of my familiarity with the Flora of this State, I am naturally much interested in that of the neighboring W. Indies & would be glad of an opportunity to explore them, but my pecuniary resources do not allow me to undertake any foreign travels.

If Baron Eggers wishes to employ me I am at his service for a proper compensation. Collecting in quantity, I can prepare 2000 full specimens a month, with a little assistance 3000. My next fascicle will be much easier of distribution than the last & I can put it up in a month or six weeks, including the ferns. I am in a hurry to have those plants I sent from Key West, examined; until they are I cannot send copy for labels.

If Baron Eggers desires my assistance, let him make a proposition to me & I will give him a prompt answer. Yours very truly

A. H. Curtiss.

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida. Sept. 14 1880

Sereno Watson, Esq.

Dear Sir — On your return you will find, in Prof. Sargent's hands two pkgs. of my S. Fla. plants, containing specimens — sufficient for identification of about 100 sps. collected last summer by me — many of them new to the U. S. Flora. It was quite a disappointment to me to have to wait so long. I hope you will be able soon after your return to look them over & give me your opinion on those most easily decided so that I can order labels. Those you cannot readily decide might be left till later.

Yours very truly

A. H. Curtiss

Contin

Rec^d box Jany 31st – containing bundles addressed to:

Revd G. H. Wibbe, Sioux City, Mt.
Prof. E. Tuckerman, Amherst, Mass.
C. G. Pringle, Charlotte, Vt.
Revd H. M. Denslow, N. Haven, Ct.
Addison Brown, Mt.
P. V. LeRoy, Col^l. College, Mt.
Revd Thos. Morong, Ashland, Mass.
} Forwarded by Express Feby 1st "To collect."

Harvard Herbarium, 1

6. T. O. Weigel, Leipsic, Saxony
3. Karl Keck, Aistersheim, Austria
} Sent to T. O. Weigel Feby 22

Dr. E. Regel, St. Petersburg
Prof. C. J. Maximowicz "
} sent to Maximowicz, May 17

Prof. D. Oliver, Kew Herbarium – sent May 30

1 for Roissier – sent May 17
1 " Cosson – Sent May 10
1 " Dieter R – Sent to Weigel – Feby 22

23

Talleyrand Place, near
Jacksonville, Fla.,
Jany. 21, 1881.

[illegible] Esq.

Dear Sir – My big box plants for Cambridge to day – I! contains 23 [illegible] & accids. No 4, which I trust you will distribute with as little delay & expense as possible –

Of Fasc. 3 I sent two to Weigel through you & your through the Smithsonian. As the latter cost me $1. each I thought best this time to send 6 for him to you as also 3 for Keck, which Dr. Keck says may be sent to the care of Mr. Weigel, they being friends.

Of Hastings's Plantation I
distilled about 75 gals.

I send to you fascicle, with the
exception of guns & Clothing,
which contain all, as you
may judge from their size.
As I know nothing of your
methods of shipping to Europe,
you must excuse me if I
ask too much of you — erring
through ignorance.
As it is safer not to prepay
charges, I will trouble you to pay
them & deduct all expenses from
the first remittance you have
to make.

I have to hear from you
respecting my S. F. & P. & how I
revisit that section.
I suppose the "Royal Palm" is the
Sabal Palmetto of the W. Indies.
Hoping that everything will
be satisfactory to you I remain
Yours very truly
A. H. Hunter

On hand Jany 1/81
1 fasc. III.

Recd Feby 24
4 fasc IV
3 " III

May 25 –
1. British Museum III
1. " " IV

Aug. 31. L. a. B. Langlois III

On hand Sept. 1/81
2 fasc. III.
3 " IV.

Box No Feby 24/81

Talleyrand Place, near
Jacksonville, Fla.,
Feby. 12 1881.

Sereno Watson, Esq –

Dear Sir – Since my distribution was ended I have overhauled my miscellaneous collections of the past year & have selected for you specimens of everything concerning which I have the least doubt –

Many of these are mere forms of plants common here – everything in S. Fla has a diff[illegible] t aspect – among them all you may find

something of interest.

I would like to have them examined before I go south again, & if any of them are of sufficient interest I will make sets of them.

So put in a few things of which Dr. Hettinger sent me sets but with unreliable names.

All grasses I want to Dr Vasey - as I know you do not like them.

I conclude you want cut my Cracidæ, as I have heard from the Ass't ~~[illegible]~~ to Prof. Tuckerman.

I concluded to send on all remaining sets, there being so many risks of loss or damage if kept here. Accordingly I put from sets of Fasc. IV and three of Fasc. III in a box & shipped them by Str. which sailed yesterday the 8th inst. As I could not properly local expressage I concluded to let the charges follow & conclude that all expenses when you make a remittance.

Pleasing to hear from you

I remain Very truly

A. H. Curtiss.

Tenth Census
of the
United States.

Sent to Kew
May 25/81

Key West, Fla.,
May 4, 1881

Mr. Watson:

Dear Sir – I will be obliged to you if you will forward, at first good opportunity, my 3d & 4th Fascicles to

Superintendent
British Museum Nat. Hist.
Cromwell Road
For Botanical Dept. London

As per directions of Mr. Wm Carruthers with the bill annexed.
and oblige
Yours truly
A. H. Curtiss.

Talleyrand Place, near
Jacksonville, Fla.,
July 6, 1881.

Mr. Watson:

I think I acknowledged receipt of your valuable letter containing determinations of my last year's finds. I hope you & Prof. Sargent will be able to study out more of my finds in time for Chapman's new Ed. I will send some of them to Englmann. I think you overlooked my Nos 145 & 148. I hope Prof Sargent handed you the curious Orchid I sent him green. He ignores my two Pisonias & the Ecastophyllum but they are certainly new to our Flora. Please examine my Hymenopappus of Fascicle 10 & see if it is not Parthenium Hystrophorum. I found the true Hymenopappus last spring.

Some of the names in your list I presume to be synonyms of Chapman's names, viz:

Ocimum micranthum
= O. Campechianum Chapm.

Amaranthus crassipes
= Schinopax. " "

Celestina maritima "
= Ageratum littorale

Metastelma Blodgettii
= M. parviflorum "

I have just sent a lot of copy to Mr. Patterson, but cannot give the authorities for the names.

Sporina micrantha DeCandolle
Vaccinium Cubense, Griseb.

Will you be so kind as to write them on the enclosed card & mail to him.

follow Simaroubaceae, 441*

Following Dr. Chapman's arrangement I have numbered Picramnia as following Vitaceae. 461*

If this is much out of the way I wish you would tell Mr. P. which genus it should follow.

Fagonia I have numbered ~~386*~~ 394*
Malachra " " 383* ~~361*~~

These are Mann's Nos

If you think it worth while to change these Nos please suggest the right ones to Mr. Patterson. Perhaps you have more correct names for the Picramnia & Fagonia of Chapman's addendum.

Yours very truly

A. H. Curtiss

5 - IV
4 . III

Talleyrand Place, near
Jacksonville, Fla.,

Aug. 25. 1881.

Dear Sir —

One of my Fascicle No. III is wanted by

Mr. A. B. Langlois
Pointe à la Hache, La.

and I hope there is some way of sending it to him cheaply by steamer — If you will drop a card to a local expressman probably he will inform you whether there is any steam line between Boston & New Orleans. Probably there is & it will be much cheaper to send it that way — Mr. Langlois did

not say anything about the expense, but I would not like to have him pay express charges from Cambridge. To morrow I start for the Mts.

Yours truly

H. H. Curtiss.

AGENTS:

CLARK & SEAMAN,
PIER 9, N. R., NEW-YORK.

ALFRED MOULTON,
41 CARONDELET STREET, NEW ORLEANS.

J. N. MAGNA,
219 WASHINGTON STREET, BOSTON

THROUGH DOMESTIC BILL OF LADING.

The Cromwell New-York and New Orleans Steamship Line

AND CONNECTING RAILROADS AND STEAMBOATS.

Shipped, *By* ..... *in good order and well-conditioned by* **Old Colony & Newport Railway and Fall River Steamer Line** *for NEW-YORK, to be there transhipped on board the STEAMSHIP called the* ..... *whereof* ..... *is Master, or other Steamship of the Cromwell Line, at the Port of* **New-York,** *and bound for* **New-Orleans** *(with liberty to call at any Port or Ports, for whatever purpose, sail with or without Pilots, and to tow and assist vessels in all situations). To say:*

CASES BOOTS AND SHOES.

being marked and numbered as per margin, to be conveyed upon the said Railroad and Steamer Line and connecting Steamship to **New Orleans,** *via New-York, in like good order and condition (the act of God, the country's enemies, fire before loading, at sea, in port, or on shore, injuries to or from machinery, boilers or steam, restraint of Governments, pirates, robbers, thieves, collisions at sea or in port, and all and every danger of the seas, rivers and steam navigation of whatever nature or kind soever excepted; and neither the ship nor the owners thereof being liable for loss from any of the causes above excepted, from* **Boston** *to ultimate destination), and to be delivered within reach of the Steamship's tackles unto* .....

or to his or their assigns, upon the payment by him or them of freight as per margin, in **Funds Current at the New Orleans Clearing House,** *at the rate of* .....

with five per cent. primage and average accustomed. Weights, contents and value unknown.

It is expressly stipulated that the articles named in this Bill of Lading shall be at the risk of the owner, shipper or consignee thereof, as soon as delivered from the tackles of the steamer in the aforesaid Port, and they shall be received by the consignees thereof, package by package, as so delivered. Goods to be taken from wharf immediately after arrival of steamer; otherwise they may be stored, at the owner's expense and at his risk of fire, loss, or injury, in the warehouse designated by the agent, or at agent's option remain on the pier at owner's risk of fire, loss, or injury. The Collector of the Port is hereby authorized to grant a general order for discharge immediately after entry of the Steamship at the Custom House.

And it is further expressly stipulated, that in case the steamship shall be detained at quarantine, and be there obliged to discharge the articles named in this Bill of Lading, that all risk and liability to the owners thereof shall cease, and the obligations of the steamship under this Bill of Lading be deemed to have been fully accomplished when the articles shall have been delivered from the tackles of the Steamship, and all risk and expense incurred thereafter shall be on account of the aforesaid owner, shipper, or consignee.

And it is further expressly stipulated, that the Steamship and owners thereof shall not be liable for loss or damage from rats, leakage, rust, heat, breakage or natural decay of goods, or damage to the packages from said causes, for unavoidable exposure to weather; and that the Steamship and the owners thereof shall not be responsible for gold, silver, precious stones, or metals, jewelry, nor treasure of any kind, unless Bills of Lading, in which the value of the articles is stated, are signed therefor. No Bill of Lading signed for less than $2.50.

Freight, ...

Primage, ...

Charges, ...

In Witness Whereof, *I, Agent of said Steamship and connecting Lines, have signed* ..... *Bills of Lading, all of this tenor and date, one whereof being accomplished, the others to stand void.*

Boston, ... *188*

C. S. Sargent - Brookline, Mass
Addison Brown - 233 E. 46th St, New York
Rev. Thos Morong - Ashland, Mass
Prof. Edward Tuckerman - Amherst, Mass
Rev. G. H. Webber, Chicago City, Ill.
× Jas. L. Bennett - Providence, R. I.
C. G. Pringle - Charlotte, Vt.

} forwarded Jany 16 by Express — "collect"

√ Herbarium Harv. University —
Dr. D. Oliver - Kew — Sent Mar. 23/92
Dr. E. Regel - St. Petersburg } Sent via Hamburg
Dr. C. Maximowicz " }
Dr. E. Cosson, Paris — Sent Mar 23/92 per Kew July 10th/92
Dr. E. Boissier, Geneva — " " , via Cosson
H. Dingler, Munich — Still here, July 9/92
W. Carruthers, British Museum — Sent Mar. 23/92, via Kew

Boxes received — Jany 17th/893

Key West, Fla.
Dec. 31, 1891

My Dear Sir —

On the 28th inst. I shipped to you from Jacksonville, by Peoples Line Steamer three boxes containing specimens for you to distribute. Among them are the sets for Harvard & Kew containing all the spp. distributed, about 240, the regular number being but 200.

I send you no sets not actually subscribed for, for these reasons:

1st Since being some insects among my plants, I wish to subject to the fumes of Carbon Bisulphide all sets likely to remain unhandled for a while. This I will do on my return

2nd Mr. T. O. Weigel, of Leipsic, who professed to act as my agent in Germany has made no settlement with me yet until he does so I shall send him no more. Last spring he wrote that there was $72. to my credit and wrote to enquire what he should do with it - (!) I requested him (in June) to send it to me, but I have heard nothing more from him - He had several sets unsold at the time he wrote.

If you will please write to him, I presume he will make a settlement & then I will send him more if desired.

Dr. Keck, who subscribed for three sets wrote that the persons who took them found them too dear. Probably they did not like to pay his profit on them.

Two of my N. S. subscribers have dropped from the list - So the prospect is not encouraging. The remittance from Dr. Dugher is for two sets he owed for. After paying the expenses on the boxes sent you, I will thank you to remit the balance to me at Key West.

Yours very truly

A. H. Bentley

Feb 16 for $7.00
Fuck check
Gingler 86
Cosson 18

Key West
Feby 11, 1882

Dear Sir –

I am much disappointed & inconvenienced at not receiving the expected remittance – As I have failed to receive other expected remittances, my final cruise for Prof. Sargent will be carried on at a decided disadvantage –

Unless you can remit on receipt of this I desire you to send the Amt. due to Jacksonville

Yours Truly

J. H. Cantey

Miami, Fla.
March 1, 1887

Jerome Watson, Esq.

Dear Sir – I arrived here last night & was pleased to find your letter enclosing check for $54. (payment from Dugler & Gerson).

I mail with this my fifth epiphytic orchid – We will call this No. 21

I suppose Prof. Sargent has handed over to you my other 20 Nos

Mr. Patterson has two copies of my third fascicle, which ought to be with you – As soon as I get home I will put my reserve of Fasc. V in quarantine & then do them up & send to you, as I shall be from home till Nov –

Yours very truly

A. H. Curtiss.

Dear Sir – I send you a small parcel containing 2 Malvaceae for you to examine – both from Cedar Keys – annuals with all hairs. I will thank you to return the Leammorthia (separated so I can distinguish them) & Hornotonia patens which I sent you – I will refund postage – Yours truly

A. H. Curtiss

Jacksonville, Fla. 4. 30. '82

POSTAL CARD

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

U.S. POSTAGE ONE CENT

Sereno Watson, Esq.

Botanic Garden

Cambridge

Mass.

Rec'd
Forwarded
May 10/82

Eufaula, Ala.
May 9, 1882

Mr. Watson:

Dear Sir – Yesterday, before leaving Jacksonville, I shipped a box to you containing three Nos of my 5th Fascicle – One of them is marked "best" & I have requested Mr. Hoyrnall to take it, but he may not do so – I have prepaid the charges to N. York & if you will notify me of the amt you pay I will promptly refund it – I have also shipped a box to Weigel – unwisely I fear, as he has not paid for the copies of Fasc. IV he sold. I shall be home again in a fortnight –

Yours truly

A. P. Curtiss –

Pine Plains, N.Y.
May 13 [illegible]

Mr. Parsons Wade —
Cambridge, Mass.

Dear Sir;

Please send me the fascicles of Mr Curtiss's Florida plants, according to enclosed order. — Fasc 3, 4 & 5. And be so kind as to send me the package marked "Best" according to note. If that should be gone, I do not know as I care at present to purchase, — since Mr. C promised the aforementioned set so marked.

You may send by American Express Co to Pine Plains, Dutchess Co, N.Y.

Hoping you will favor me without delay, I remain

Yours respt
Lyman N. Hoyerad

Pine Plains
Dutchess Co
New York

May 16

I have made quite a number of exchanges & purchases of plants previously of Mr Curtiss. I greatly chose his 3 last fascicles.

You may, if you will return the enclosed letter of Mr. Curtiss

Jacksonville, Fla.
May 28, 1882.

Sereno Watson, Esq.
Dear Sir.

I have rec'd the Pkge. of Gattinger's Plants returned by you, & your card of the 19th notifying me of the receipt of my box of Fascicles & the sending of three to Hosseradt, for all of which services accept my thanks. I am on the eve of leaving for my summer quarters, Montvale Springs, Blount Co. Tenn., which will be my P.O. till Nov.

Having to have my herbarium at home (uninsured) I concluded to have the remainder of my fascicles (7) poisoned with sublimate & then ship them all to you & hope it will not discommode you to store them. My own series I shall leave with a friend in town as I have to leave my house in care of a colored family & they may burn it up. I will enclose with this some money to ~~pay~~ refund freight & postage which you pay.

In the box you will also find a long package – You will please hand it to Prof. Sargent & learn the account of it from him –

Excuse haste & believe me

Very truly Yours

C. F. Curtiss –

P.M. – M.O. office closed – Please advise me of amt. you pay on box now sent – & I will send an order to include this and the 80¢ paid on last box & 45¢ on mail pkge. from Marysville – C.F.C.

Ans C with
[illegible] for 1136
see [illegible]
[illegible]

[illegible]

[illegible] Fox arrived safely
& that the storage of its contents
will not inconvenience you.
The only previously in our care
[illegible] having been poisoned, [illegible]
[illegible] disposed of first –
We write nothing about the
three cases of [illegible] and I do
not hear anything from Mr. Sargent
about them – I hope there was no
misunderstanding – With thanks
and a lot of copy for labels,
to Mr. Pettodn – As I cannot
find any textiles for the memo
which you will see in the red [illegible]
[illegible] textile [illegible]

& then mail the card -
In mailing this I will enclose
$2 - or a money order therefor,
to expense $1.10 + .80 on [illegible]
represent your last offering -

Yours truly

J. B. Smith Jr.

Board $ 2.00 per Day.
$10.00 per Week.
$30.00 per Month.
(Four Weeks.)

PERFECT EXEMPTION
FROM
HAY FEVER.

Address,
Cloudland, Mitchell Co.,
North Carolina.

DAILY MAILS.

Cloudland Hotel.

Top of Roan Mountain.

(6,391 FEET ABOVE THE SEA.)

L. B. SEARLE, - - PROPRIETOR.

Cloudland, N. C. July 19 1882

Mr. Reuben Watson:

I rec'd your welcome letter just before leaving Montvale & feel greatly obliged for your services in disposing of the two fascicles to Dr. Vasey, who was very obliging to take them. I am among the clouds now in a damp disagreeable region which I hope to leave in a few days – taking a good many specs with me –

Yours very truly

A. H. Curtiss

address – Montvale Springs Tenn.

Montvale Springs, Blount County, Tenn. 188

Dear Sir –

[illegible]

[illegible] The latter I suppose to be [illegible]

[illegible] to amplify [illegible]

The Flex is abundant on these [illegible], [illegible]

2 to 6 high, with varied foliage resembling [illegible]

of the [illegible] Maple. Please [illegible]

at Jacksonville, [illegible] Big [illegible]

[illegible] roads [illegible]

I will thank you to send a copy of my book for

Dr. C. L. Fretz, Belleville, Ducks [illegible]

[illegible] will go with it. [illegible]

this you will have left 5 copies [illegible]

[illegible] Two copies [illegible]

Sent October 11th 1882

MONTVALE SPRINGS.

This beautiful, as well as noted summer resort for the pleasure seeker and invalid has been purchased by Jesse E. Engle, of Baltimore, M. D., who has made the following improvements:

Water has been introduced to each floor of the house—carried by pipes from springs in the mountain. A much needed improvement. Water closets, for gentlemen and ladies, now provided in the hotel building. The hotel and cottages attached thereto, are thoroughly repainted, within and without. An entire new kitchen, with all the modern improvements attached thereto, has been provided. A new dancing pavilion adjoining the hotel, sufficient for the accommodation of all who may desire to indulge in this most pleasant of all amusements, is also now complete. The bowling alley, bath-house, and stables have all undergone thorough repairs. The walks, drives and grounds are being ornamented and repaved. In addition, a fountain is being made to sport in the sun's rays in front of the hotel. Fifty sets of new furniture have been added to the furnishing of the house. The parlor has been refitted and furnished with entire new furniture.

Saddle-horses and carriages for the benefit of the guests will be furnished at reasonable rates. The beautiful turnpike road from Maryville to Montvale, a distance of nine miles, has been thoroughly repaired, and a new line of hacks, connecting with trains, will run daily.

TO THE INVALID,

Montvale can present more advantages than any other place on this continent. The waters, when properly used under the advice of a competent and experienced physician, such as the resident physician at Montvale is, are a *sure cure* for *dyspepsia, dropsy, liver disease,* and, in fact, any and all diseases which affect the *mucus membrane,* including diseases *peculiar* to females.

For all scrofulous affections, diseases of the eyes, etc., these waters are a specific, and have cured thousands of cases of these diseases.

"As a double magnesian and chalybeate water, it ranks among the strongest of which we have any recorded analysis, personal or from publications. Its strength is such, in fact, that its habitual use should in no wise be attempted without medical advice; and the salts it contains, particularly those of magnesia and iron, which are present in large quantity, are among the very best, and most prescribed for certain classes of diseases.

"Of the beneficial effects of this water upon many forms of gleet or blennorrhea, especially those of a chronic form, sustained, as they frequently are, by an enervated condition of the parts, and a diminished energy of the general system, no more certain and effective remedy exists than the free use of the Montvale waters.

"In most of chronic diseases peculiar to females, as *chronic, hemorrhage, menorrhagia, dismenorrhagia,* or painful or other irregularities of menstruation, and *Lucorrhœa,* much may be expected from the renovating powers of this fountain of health."

ANALYSIS OF THE WATERS.

One gallon contains—

	Grains.		Grains.
Sulphuric Acid	54.12	Chlorine	1.19
Lime	37.98	Alumina	.50
Magnesia	4.08	Potash, Organic matter,	Traces.
Soda	4.00		
Iron Peroxide	166		

Also, the finest Black Sulphur Spring on the continent.

RATES OF BOARD.

Per day ..... $2 00 | Per week ..... $8 00 to $10 00.

Special rates to families.

BEAUTIFYING THE COMPLEXION.

During the summer of 1881, Mr. W. B. Reese, of Nashville, came to the Springs with his little daughter, whose face was entirely covered with freckles. After remaining a few days, they were entirely removed. Mr. Reese authorizes the present managers to refer any person to him for proof of the above.

F. G. MARTINDALE, PROPRIETOR.

JNO. W. EATES, Resident Physician.

References—Maj. Campbell Wallace, Atlanta, Ga.; Mr. M. Nelson, Mr. C. M. McClung, Knoxville, Tenn.

Dear Sir – Weigel of Leipzig is anxious to obtain one more copy of my 5th Fascicle in the cheapest way" – Have you a chance of sending one soon? I would like to get it to him soon, as he promises to pay after its receipt. He owes me for five now –

Yours truly

J. ville, Fla.
Dec. 18, 1882.

A. L. Curtiss

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr. Sereno Watson
Botanic Garden
Cambridge
Mass.

Dear Sir — I wish you would send one of my 5th Fascicles to Weigel in the manner you describe, i.e., by mail from N. York & I will refund the charges when I learn the Amt — Probably it will be best to send all my European Fascicles in this way hereafter, & I wish you would tell me how to do it — It will save you & my subscribers much annoyance — I commence my distribution in a few days — Yours Truly

J'ville, Fla. Dec. 26 '82 A. H. Curtiss

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

U.S. POSTAGE ONE CENT

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Dear Sir — I have an order from Europe for three units of Fascicles & am anxious to hear about that method of transmission by post — Mr. Patterson has two Fasc. IV's & I have directed him to send them to you — I believe you have only one of Fasc. III —

Yours truly

A. H. Curtiss

J'ville, Fla.
Jan. 14, 1883

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Dear Sir — Many thanks for your recent services. As soon as I hear that you have rec'd the two fascicles from Mr. Patterson, I will remit — Amt., of expressage, including the 45c to N. York. I will now write to Weight & others concerning this mode of transmission

Yours truly

J. W. Curtiss

Jacksonville, Fla.
Jan. 22, '83

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

JACKSONVILLE JAN 23 FLA.

U.S. POST ONE CENT

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Talleyrand Place, near
Jacksonville, Fla.,
Feby 3 1884

My Dear Mr. Watson:

Your card of Jany 29 is rec'd & I hasten to send you the express charges you have paid = $1.00 + 45c - with thanks for your services.

When my new fascicle is ready - which will be this month - I think I shall ask you to forward four of those you have on hand to Dr. Keck -

Yours truly

A. H. Curtiss

DEAR SIR:—I hope you will exeuse the delay in the issuing of my 6th Fasciele. Serious siekness in my family has so delayed my distribution that it will not be finished before Mareh 1st., and a week more may be consumed in paeking and shipping.

N. B.—On opening this Faseiele a number of fruit speeimens will be found at top. These, with the exeeption of the bristly legumes, which belong with No. 713, are supplementary to preeeding Fascicles, as are all of the speeimens with labels turned faee downward. The large fruit of *Swietenia* will have to be sent by mail.

Hoping for the indulgenee of my subseribers, I remain,

Very truly, &e.,

A. H. CURTISS.

Jacksonville, Florida, February 19, 1883.

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

JACKSONVILLE
FEB 28
ILL.

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Talleyrand Place, near
Jacksonville, Fla.,
March 13, 1888.

Sereno Watson, Esq.

Dear Sir — My 6th Fascicle leaves Fla. to-day, the copies for N. England & N.Y. subscribers going in one box to your care — They are shipped by the Mallory line of Stmr. to N. York, whence they will be forwarded to you —

Half of my fascicles contain 30 additional sps. from Tenn. These are for European subscribers & for a few U.S. Colleges —

As a matter of course, I send you all the sps. distributed, about

— March 25/83
2 — III
1 — IV
1 — V

1 of III. or 1 of IV to K. Kuck Mar. 29th/1883

V to W.R. Dudley, Ithaca — Nov. 21/83

Expenses paid Sawyer $2.90

III + V to D.L. Phares, Starkville, Miss — May/83

240 + 30 or more supplementary ones. The fruit spp. mentioned in my recent card are at bottom instead of at top.

To my European subscribers I shall send through the German agency you introduced me to –

I desire you to send three copies of Fascicle V. to Dr. K. Keck, Aistersheim, Austria, through the German Parcel Agency; and one of same to Dr. H. Dingler, Munich, provided you have not already sent his copy –

Please notify me of the amt. of charges you prepay on the four to N. Y. & also of the number of Fasc. V left in your hands & oblige

Yours truly

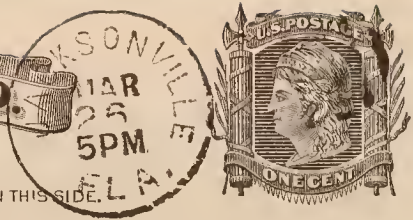
A. H. Curtiss

Dear Sir — I will thank you to send 1 copy each of my 3d & 4th Fascicles to "Dr. K. Keck, Aistersheim, Austria, care of Messrs. Engelschall & Flörke, Hamburg". Please forward by express to the German Mail Agency in N. York, prepay express charges & I will refund the amt.

Yours truly

J. W. H. Curtiss

Jacksonville, Fla.
March 26 '83



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Serenno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Gainesville, Fla. 4, 2, 1883

Dear Sir – I have a letter from Mess. Hensel & Co. – stating that they rec'd from you two parcels, one for Dr. Keck & one for Dr. Dingler – How is this? I requested you to send 1 Frasc. V to Munich, & to Dr. Keck 1 Frasc. III, 1 Frasc. IV & 3 Frasc. V. making six in all – If Dr. Keck does not receive all according to my advices, probably I shall not get any pay till next year.

Yours truly A. H. Curtiss

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Talleyrand Place, near
Jacksonville, Fla.,
April 8, 1883.

My Dear Sir -

I have received your letter of the 3rd - and thank you for your services in behalf of my distribution - I intend to enclose herewith a postal order for the £2.9d expended by you -

I regret that I did not detect the mistake about Rhynchosia Nyctagnea Dr. Vasey says I transposed the labels for Panicum paspaloides & Paspalum capitatum - presumes he may be responsible for the error. As soon as my four Orchids are determined I will send data

the correct labels for all —
With many thanks, I remain
Yours very truly
A. H. Curtiss

Dear Sir – I will thank you to send by express one copy each of Fascicles III. & V. to Prof. D. L. Phares
A. M. College
Starkville, Miss –

You wrote on the 3d of April that you had one copy of Fasc. III. & three of Fasc. V. If you have to pay any expenses at Cambridge let me know. Yrs truly

A. H. Curtiss

Gville. Fla. May 17, 1888.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Sereno Watson, Esq.
Botanic Garden
Cambridge
Mass.

Talleyrand Place, near
Jacksonville, Fla.,
Aug. 13, 1883.

Mr. Watson:

Dear Sir – Thanks for your favor of the 6th –

I greatly fear that I have no specms. of my Indian river Utricularia purpurea – will make a search, & if I find any of it, will send all I have. I know I found it in a pond with U. vulgaris they looking much alike except in color of flowers – But I was too much engrossed with Ludwigia Curtissii & Lin xanthemum trachysperman to pay much attention to commoner things.

I waded for two hours & the water & sunshine were so hot that my legs were scalded so that the cuticle came off afterwards.

Yours truly

A. W. Curtis

Talleyrand Place, near
Jacksonville, Fla.,
Later — 1883.

P.S. — Eureka — See specm. of large U. purpurea in accompanying Pkge —

I have just made sets of two Lechreas & enclose specms — The early, dark-colored kind, which I have lettered A. is what Mr. Leggett called (I think) L. cinerascens, Ref — Of B I never sent him a specm. though it is much commoner. Both grow together in barren pine woods, A flowering a month earlier than B — Please compare them with your specms. & write me —

A.H.C.

St. Charles Mo.
Nov. 21st 83

Dear Sir.

Mr. Curtiss wrote me to day that you have ~~purchased~~ one set of Fasc. I of his collection for sale. If that is so please let me know and I will mail to you the amount together with that for Bot. bibliogr. Index. How many spec. does the fasc. cont? Price $18?

Respectfully
Yours
Dr Gustav Engelmann

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

U.S. POSTAGE ONE CENT

Professor Sereno Watson
Bot. Garden
Cambridge
Mass

Talleyrand Place, near
Jacksonville, Fla.,
Jany. 28 1884.

Mr. Watson:
Dear Sir —
I have shipped a box to you containing 7 copies of my 7th fascicle, one being for the Harvard Herbm — the rest please forward. There is also a small pkge. for Prof. Sargent — & some tree fruits of which he may have all or part — Frt. paid to N. York.

Yours truly
A. H. Curtiss

Rec'd Feb 18/84
& forwarded next day

Fasc. VII — E. Tuckerman
D. C. Eaton
T. Morong
C. H. Pringle
Consult Univ

Fasc. VI. — " "

Package — C. S. Sargent

Talleyrand Place, near
Jacksonville, Fla.,
July 11 1884.

Mr. Watson:

Dear Sir —

I enclose my annual revision of species — I would like to add your photograph to my album — will send mine in exchange if desired —

Yours very truly

A. H. Curtiss

Talleyrand Place, near
Jacksonville, Fla. Aug. 4 1885

Mr. Watson:

Dear Sir - Your very welcome letter of July 21st was duly rec'd & within a week or two I hope to have time to get my plants labelled, & within a month to have my herbarium in working order for the first time. I have been so busy with woods &c that technical botany has been sadly neglected of late years - Next year I hope to be able to make a pretty thorough exploration of Florida & to get out Fascicle VIII.

I hope the Epidendrum is a nov. sp.

Curtiss

There must be some mistake about the Schweinitzia "Reynoldsiae" The plants when growing, in all essential features, were like those I collected in Virginia - no difference whatever except such as are found in almost any plant in latitudes so different. These plants were stouter more elongated than in the Fredty Va. woods & perhaps less fragrant. I found these Fla. specms. about the 1st. of March '81 and at same time Corallorhiza odontorhiza which in Virginia bloomed in Novr.! There it was much smaller.

I have observed that species growing here & on the S. coast vary much in aspect.

As to those Euphorbias, your opinion coincides with mine - E. corollata is elusive & variable in W. Fla. Dr. Engelmann once named a S. Fla. Euphorbia after me, forgetting that the name was preoccupied! Yours truly A. H. Curtiss

A. H. Curtiss.

Talleyrand Place, near
Jacksonville, Fla. Sept. 2 1885

Prof. A. Gray &
Sereno Watson, Esq.

Dear Sirs – If I send you specimens of cultivated plants during the coming year, will you be willing to identify them?

As I have written you, I am planning a more thorough exploration of this State than I have hitherto made, with the intention, not only of preparing an 8th fascicle, but of informing myself more fully as to plants in cultivation & the popular names & uses of native sps.

I have been writing a 4-column article on "Sub-tropical Florida" for the Trade Ed. of the Times-Union & now have in hand for the same a 3-col. article on Fiber plants. Can you refer me to any very recent publications on this subject? relative to production & consumption manufacture, prices, etc?

I shall include Tillandsia usneoides & wish to write a botanical account of the same for another periodical.

My opinion is that this plant is dependent on living bark to the same extent that lichens are, deriving certain elements from waste bark i.e. those outer layers which receive very little, if any, of the tree's sap. Detached or on dead trees or branches I think the plant is virtually dead.

Do you know the chemical composition of the fibers? If obtained wholly from the air (it could contain but few elements. Do not the fibers probably termed chitinous? (I have an impression that I have seen that term applied to it.) The substance appears like the horny covering of insects - calcareous especially - & to whale bone, as well as to hair, and I would like to know if there is any marked resemblance in their chemical composition. If you have any exact knowledge of this subject - please give me the benefit of it & oblige

Yours truly

M. Mantz

Talleyrand Place, near
Jacksonville, Fla. Feby, 15 1886

Serno Watson, Esq.

Dear Sir – For some time I have devoted my evenings to the arrangement of my Southern herbarium, which has been in a sad state of confusion heretofore. Having in view an extensive tour of Fla. in which I wish to complete (very nearly) a Fla. herbarium & to greatly enlarge my knowledge of the native & cultivated plants of the State, I am trying to prepare a Catalogue of Fla. plants which will be as nearly exact as possible, conforming with the most improved arrangement & nomenclature.

I find Asa's Cilogue to be a good basis of work, & as it conforms with Chap. Flora, your Index & Vasey's Cilogue & not with Chapman in other orders I have drawn the inference that he has been guided by you as to the Apetalae & Monocotyledonae

In working up those divisions I have much trouble as to the synonymy having no works for reference as in the case of Polypetalae & Gamopetalae.

I am therefore constrained to appeal to you for assistance than known by the enclosed list of names of plants which I cannot place in Chapin's Cloque. If you will be so kind as to write his Nos opposite such of them as occur in the Cloque under other names it will be a great assistance. Some of the sps may not be in his Cloque at all.

The enclosed specm. of a West Indian tree was sent me from So. Fla. under the name of Spanish Lime. Do you recognize it? It is said to attain a height of 35° & to have fruit that looks like limes, whence the name.

I expect to be travelling in Fla. from March till Oct. in the interest of a projected agricultural paper of which I am to be editor. Taking photographs & notes of all details of agriculture, horticulture & economic botany for future use.

I hardly think I can trouble myself with the preparation of an 8th Fascicle but shall collect for my own herbm & will also collect for you if you will promise to determine what I send in, either native or exotic. Dr. Vasey will attend to the grasses. Please write at your earliest convenience, as I may start very early in March for Southern Florida.

Yours very truly

A. H. Curtiss

Jacksonville, Fla.
June 1, 1886.

Prof. Asa Gray:

Dear Sir — This morning I walked to town thinking to find some specms. to mail to you & to Prof. Sargent. I found some half-grown fruit of Asimina grandiflora & one little specm. of A. pygmaea with fruit set, & these I put in the box with some other specms. to Mr. Faxon, who will deliver yours. Later I hope to supply mature fruit, but A. pygmaea fruits very rarely. With this I mail dried specms. of Asimina collected in the Tampa region. The large white flowered spm. being from Tampa (April 27) & the small (white & purple?) flowered specm. being from Kissimmee City (on Lake Tohopekaliga) May 30th. Inside of Marco, ~~south of~~ near Cape Romano I saw an Asimina which I think was like my Tampa specm.

From Jackson Co. W. Fla. I sent flower specms. of what you call A. angustifolia last week. I hope to serve you to the fruit of several sps. during this summer. Please examine the Baptisia in same package. I fail to identify it with any of Chapman's species. Yours very truly

A. H. Curtiss

C. H. JONES, EDITOR. G. W. JONES, BUSINESS MANAGER.

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THE FLORIDA TIMES-UNION.

C. H. JONES & BRO., PUBLISHERS.

64 & 66 WEST BAY STREET,

Jacksonville, Fla., July 1 1886

Serano Watson, Esq.

Dear Sir — I send by mail herewith a package of specimens — which I hope you can find time to determine before long. Some are for my next fascicle & others not. Many of them I think I know & some are omit simply because they are duplicates for which I have no use — Later I hope to have more for you —

Yours truly

A. W. Curtiss

Jacksonville, Fla.
Sept. 6, 1886

Prof. A. Gray;
Dear Sir -

I send by mail herewith a pkg. of plants which I hope you and Mr. Watson can determine pretty soon as I am in need of their names - at least, if some - Of course I know many of them with reasonable certainty but put them in for your benefit.

I am especially anxious to know the names of HH & GG as I have sent to the printer MS. of a little work on the Flora of the Florida Keys, including cultivated plants & these are conspicuous trees in Key West. I guess that GG = Myrodia turbinata & that HH = Sapota elongata - Its fruit - is dark yellow, about 2' long & half as thick, & has, if I remember aright - a single ~~stone~~ seed. Its name in K. West is pronounced T-S' - There are two very interesting shrubs in Key West which I wish I knew by name, but I have no specms. One is a sort of hedge plant with small trifoliate leaves & small fruit & evidently is allied to Citrus. The other has dense foliage like Catesbaea, white

plum-like fruits & creamy flowers with tubes many inches in length – You must know both of them.

I searched in vain for fruit of that glaucous Asimina which is so abundant in Hillsborough, Sumter, Orange, Hernando, Manatee & Monroe Cos. In June I brought home some to mail to you but they got withered & I threw them away – no material difference in fr. – I think – more in mode of branching – the stems grow 3-4 ft. long & send off a great many short, rigid side-branches – the other sps. have few & slender branches –

That matter of Vanilla in So. Fla. is surely a mistake – The plant I found is undoubtedly the anomalous or nameless (flowerless) plant mentioned by Egger under Araceae – The islanders know it well in the Bahamas.

The Terminalia Catappa grows on the Keys only when planted! Cereus monoclonus (so determined by Engelmann & distributed by me is a slender sp. found mostly on the E. coast. The giant cactus of Key West is quite different

It is of tree-like growth & has greenish flowers not more than 2' long - I can probably send you a pressed spm. of fl. & photo. of plant. As to localities of plants sent

A - B - D - E - F - G - H - J - Q - R - S - T -
U - V - W - X - Y - AA - BB - CC - & FF - } Ballast east Pensacola wharf July 31

O - P - DD - & EE - Walton Co. - N.W. Fla. - Aug. 3

C - M - N - Z - Hillsborough Co. - W. coast - Aug. 28

K - Columbia Co. - N. Central Fla. - July 15

L - Spontaneous in flower garden at home Sept. 1

Sorry I am out of printed labels, but you will not wish to keep all the spms. sent -

Very truly

R. W. Curtiss

over

P.S. – The numbered specms. ~~are~~ representative sets sent me by Revorchon two years ago. I paid him for them with the understanding that he had sent copy for labels to Patterson. But I have never obtained the names though I have demanded them of him repeatedly. Finally I wrote to Revorchon that unless he sent me the names at once I should consider that he withheld them intentionally; that, having commenced a distribution of his own he wish to cripple me by this petty piece of maliciousness. More than a month has passed without a reply! I would like to know if he has distributed any of these sps. – your herbm must show! His letters & picture prove him to be a very small-minded person but I shall be sorry to believe him a rascal.

A.W.C.

Jacksonville, Fla.
Sept. 29, 1886

Prof. A. Gray:

Dear Sir — I am very much obliged for the determinations you recently sent me — am glad to find that most of the ballast-plants are not mere waifs — at least those of which I made sets. Am I to understand that the "Daubentonia longifolia = Sesbania Cavanillesii = Daubentonia punicea"? and that you regard it as the same sp. I distributed in '81 from Apalachicola? The flowers of the Pensacola plant (small tree) are pale yellow, while those of the Apalachicola shrub are in thick racemes red — a brick red I would call it. Can you give me the authority for "Nicotiana glauca"? and the name of that Cakile from the Keys which you promised to study up? I wish to make my distribution early in November, before commencing my editorial labors, & therefore I am hurrying my copy for labels into Mr. Patterson's hands —

For this reason I now send you a pkge. containing all doubtful things brought home by me from my last trip. The Nos lacking belong to specimens laid out for Dr. Vasey. (over)

If you mail a response before Oct-6th please address it here – between Oct-6th & 15th address it "Hotel Chautauqua, De Funiak Springs, Fla. after the 15th prox. here –

Yours truly

A. J. H. Cuntefs

Jacksonville, Fla.
May 28, 1887

Mr. Watson -

Dear Sir -

Can you identify the enclosed Galanum without much trouble? It grows before my study window & is said to have come from Cuba - The enclosed specm. was sent me from Manatee - The plant is smooth, in habit like G. Dulcamara, with 7-9-divided leaves - fls. purplish-blue with yellow centre - fr. said to be scarlet.

There is a singular variation in Yucca filamentosa which I have noticed from Fla. to Tenn. Some plants have a dwarf habit & others send up an inflorescence 10-12 ft. high - In the wild state I would place the limits at 3-10 feet. I incline to think it is a varietal difference, for I have never observed plants of intermediate habit.

Yours truly A. H. Curtiss

Curtiss, A. H.

letter in Asa Gray's copy of:
Engelmann, George 1873 "Notes on the Genus Yucca"

GH Library
MH
38
En 3

atioribus nunc
natum cochlea-

olatis mollibus
escentibus vix
ornatis; scapo
la ~~aquilongo~~ contracta
igmatibus bre-
e sæpius con-
ajoribus. — 1.

ari-lanceolatis
eris, exteriori-
s infra medium
panicula ramis
ngiore; stami-
isis elongatis;

nceolato-linea-
margine mox
eis lanciformi-
his ascendenti-
rio staminibus
ula prismatica.
of the south-
Alabama, and,
arieties, often

ther with the
have described
view. Of this
been obtained
owing descrip-

foot, (Chapm.
d smaller cap-
rolina in May,
narrow-leaved
hes long, 1–1¼
to a hard ob-
broad-leaved
es wide about
outer shorter
ewer, coarser,
et high, stout,
late bracts, 2,
zontal dense-

Jacksonville, Fla.
May 28, 1887

Mr. Watson -

Dear Sir -

Can you identify the enclosed Dalanum without much trouble? It grows before my study window & is said to have come from Cuba - The enclosed specm. was sent me from Manatee - The plant is smooth, in habit like S. Dulcamara, with 7-9-divided leaves - fls. purplish-blue with yellow centre - fr. said to be scarlet.

There is a singular variation in Yucca filamentosa which I have noticed from Fla. to Tenn. Some plants have a dwarf habit & others send up an inflorescence 10-12 ft. high - In the wild state I would place the limits at 3-10 feet. I incline to think it is a varietal difference, for I have never observed plants of intermediate habit.

Very truly A. H. Curtiss

Dear Sir –

I have shipped Frasc. V. to-day by ocean Stmr – & will write you in a few days. The boxes go in the usual way by steamer & should reach you in about a week.

Yours very truly

A. J. H. Curtiss

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

S. Watson, Esq.
Botanic Garden
Cambridge
Mass.

EDITORIAL DEPARTMENT
FLORIDA FARMER AND FRUIT-GROWER.
A. H. CURTISS, EDITOR.

Jacksonville, Fla., Jany. 5 1889

Lucius Watson, Esq
Cambridge, Mass

Dear Sir –

Some time ago I expressed a desire thro' my paper that some one would offer seed of the "Mexican clover", in order that it might be brought into cultivation more generally. A party finally sent in an offer accompanied with a packet of seed. The latter I compared with my herbin specn. (a No. of one of my first fascicles) and found differences that seemed unaccountable & so I have concluded to bring the matter to your attention. Will you please compare the capsules of inclosed specn

EDITORIAL DEPARTMENT
FLORIDA FARMER AND FRUIT-GROWER.
A. H. CURTISS, EDITOR.

Jacksonville, Fla., _____ 188

(sent me from the central part of the state) with those to my fascicle specm. and if you find anything "worth mentioning" drop me a postal. and oblige

Yours truly

A. H. Curtiss

Talleyrand Place
near Jacksonville, Fla.

Prof. A. Gray:

Dear Sir – Your favor of the 4th inst. finds me convalescent after an attack of dengue or broken-bone fever – the most popular ailment here – very painful but never fatal –

I am glad to have that red ffd. Sesbania settled – it has puzzled me for years – I think Watson first called it Daubentonia punicea and I have never been able to shake it out of my mind as the correct one – In your determination of the other native plants you confirm mine except Eriocaulon graphalodes – Here in E. Fla. that sp. appears in Feby. & March & disappears in April, growing in rather miry ground. On the ~~grav~~ hard sandy shore of Lake De Funiak it appears in Sept. or Aug. & lasts till Jany. – How can you reconcile that? Sorry I did not send a plant in fl. of Cacalia.

In the pkge. before this last I sent a Physalis of which I made a set, a branch of a diffusely branched annual, which you did not name.

I now send a pkge. containing about 50 sheets of that Desmodium which you thought would prove a n. sp. It grows with D. lineatum in grassy dry pine barrens — collected Oct. 4th. D. lineatum of which you will find a few spms. mixed with it has strictly prostrate leafy stems, while the new one is as nearly erect as so slender a plant can be — seldom rising over 2 ft. The three upper sheets contain spms. of a plant exceptional in size, reclining at base, stems 5 ft. long. The new(?) sp. seems to me intermediate between D. lineatum & D. strictum — am not sure but you will find some of the latter — At top of Desmodium you will find two odd sheets, one containing the late shrubby form of Sida rhomb. I am to collect the var. retusa, but think this is not it though I am sure I have found var. retusa in the city the other sheet is from W. Fla. Sept. 16 — spm. D. lineatum & if something I cannot determine — found but one in swamp, handsome blue fl. If of no use to you you may return it provided you return the Desmodiums & you need not return them unless they prove a new sp. or var. You can in that case reserve 15 sheets.

Yours truly

A. H. Curtiss

Herbarium of A. H. Curtiss,

Talleyrand Place, near
Jacksonville, Florida., April 18

Prof. A. Gray:

Dear Sir — I rec'd your letter of the 4th inst. with enclosed Postal Order for $76. I am greatly obliged for the amts. advanced — will send memoranda to Mr. Watson before I leave. I intend to start within a fortnight for the E. coast & shall go as far south as possible. The arrangement with Dr. Rothrock is satisfactory — he has sent $20. & says the specimens are "abundantly full & well preserved." I will now write to Mr. Watson.

Very truly yours

(over) A. H. Curtiss.

P.S. – I dont understand about the payment for Dr. Cossom's sets. I expected nothing for the one marked for him.

A. H. C.

Cambridge – Feby 17th

Dear Mr. Curtiss,

I do the best that I can for you, i.e. send you our only duplicate copy of Pl. hindsianae, Part II. (it was never completed), and make a hurried list of the species in Part I., which I hope you may be able to read. Please return the pamphlet. The names of the list are ~~according to~~ the original determinations & are liable occasionally to correction. For the polypetalae you will find them correctly reported, I think, in the "Index".

As for the Botany of California, the edition of Vol. I. is wholly exhausted & I do not know where a copy can be obtained. A new edition will be published with the issue of the 2d volume, which will be out sometime before the end of the year.

Yours very truly

Sereno Watson

If you have numbers higher than 651, I can probably give the names with little trouble if you will make a guess at the genus.

300. Euphorbia herniarioides, Nutt.
1. " arenaria, Nutt.
2.* " Arkansana, Eob.
3. " marginata, var. albolenea
4. Phinopsytum capitatum, Klotzsch
5. Hindocandra Texensis "
6.* Aphora humilis, Eob.
7.* Tragia breviscapa, Eob.
8. Forestiera acuminata,
9. Quercus cinerea
310. Potamogeton divisifolius, v. spicatus, Eng.
1. " natans, var.?
2. Xyris torta
3.* Sisyrinchium nivum, Eob.
4. Habranthus texanus, Herb.
5. Eleocharis acicularis, var.
6. Tripsacum cylindricum
7. Andropogon macrourus
8. Chara polyphylla, Mex.

Plantæ Lindheimerianæ

Bost. Journ. Nat. Hist. V. 210-264.
1845.

× = new sp.

—collection of 1843.—

1. * Ramna Texensis, Eng.
2. * " trachyspermus, Eng.
3. " " var. angustifolius, Eng.
4. Clematis cylindrica, Sims
5. " reticulata, Walt.
6. Anemone Caroliniana
7. Coeinlens Carolinus
8. Streptanthus hyacinthoides, H.K.
9. Cristatella erosa, Nutt.
10. Cleomella lusicana, DC.
11. Polygala leptocaulis, T.&G.
12. " incarnata, L.
13. Krameria lanceolata, Torr.
14. Drosera brevifolia, Pursh
15. Helianthemum capitatum, L.
16. Lechea Drummondii
17. * Hypericum gymnanthum, Eng. & Gr.
18. Paronychia Drummondii
19. " sessilis
20. Silene antirrhina, L., var. subglabra
21. " " var. laevigata
22. Linum Berlandieri, H.K.
23. Xanthoxylum Carolinianum
24. * Sida Lindheimeri, Eng. & Gray
25. Malvaviscus Drummondii, DC.
26. Vitis bipinnata
27. Vicia ludoviciana
28. Vicia glabra
29. Rhynchosia minima
30. " reniformis
31. Baptisia longifolia, DC.

32. Lupinus amphrichoides
33 " Virginiana,
34. Indigofera leptosepala, Nutt.
35. Psoralea rhombifolia
36. " obtusiloba
37. Amorpha paniculata
38. " glabra
39. Dalea aurea
40. Petalostemon oberatum
1. " phleoides, β microphyllum, Torr.
2. " violaceum, Mx.
3. " multiflorum, Nutt.
4. Trifolium reflexum, L
5. Astrag. Nuttallianus, var. trichocarpus
6. " leptocarpus
7. Mimosa strigillosa
8. Neptunia lutea
9. Acacia hirta
50. " " β glabrior
1. " Farnesiana
2. Lythrum alatum, var. γ. Torr.
3. Oenothera Drummondii
4. " linifolia, Nutt.
5. " speciosa
6. " rhombipetala, Nutt.
7. Ludwigia hirtella
8. " linearis, var. pubescens, Eng. & Gr.
9. Jussiaea decurrens
60. Gaura simulans
1. " Lindheimeri, Eng. & Gray
2. Eryngium coronatum
3. Cynosciadium pinnatum, DC, v. pumilum
4. Leptocaulis echinatus, Nutt.
5. Discoplenra capillacea
6. Spermacoce glabra, Mx
7. Mitreola petiolata
8. Polypremum procumbens
9. Houstonia Boscii
70. Vernonia angustifolia, var. γ. Torr.

71. Liatris elegans
2. " acidosa, Eng. & Gr. (& some L. mucronata, DC.)
3. " " var. virgatis,
4. " pycnostachya, Mx
5. Eupatorium rotundifolium
6. " incarnatum, Walt.
7. Mikania scandens
8. Aster phyllolepis, Torr.
9. Erigeron scaposum
80. Gutierrezia Texana, Torr.
1. Solidago nitida, Torr
2. " tenuifolia
3. " leptocephalus, Torr
4. " Boottii, Hk.
5. " tortifolia, Ell.
6. Bigelovia nudata, β virgata, Torr.
7. Bradburia hirtella
8. Heterotheca scabra
9. Chrysopsis graminifolia, Nutt.
90. " pilosa, Nutt.
1. Ambrosia coronopifolia
2. Berlandiera tomentosa, β drabbata
3. Zinnia multiflora
4. Echinacea angustifolia, DC
5. Rudbeckia alismaefolia
6. Helianthus cucumerifolius
7. " praecox, Eng. & Gr.
8. " occidentalis, β plantagineus, Torr.
9. " rigidus
100. " angustifolius
1. Coreopsis Drummondii
2. " tinctoria
3. Gaillardia picta, DC
4. " amblyodon, Gray
5. " lanceolata
6. Palafoxia Texana, DC
7. Hymenopappus artemisiaefolius
8. Helenium tenuifolium
9. Leptopoda brachypoda, B
110. Marshallia caespitosa, Nutt.

111. Eglettes Arkansana, Nutt.
2. Gnaphalium purpureum
3. Cirsium virginianum
4. Centaurea americana
5. Pyrrhopappus Carolinianus
6. Lobelia glandulosa, Walt
7. Vaccinium arboreum
8. Asclepias pauciflora, Mx.
9. Sertera maritima,
120. Sabbatia campestris, Nutt.
1. " calycosa
2. Lilia coronopifolia
3. Cuscuta nemopistala, Eng., β. minor
4. " " γ. littoralis
5. × " cuspidata, Eng.
6. " pentagona, β calycina
7. " verrucosa, Eng.
8. Ipomoea sagittata, Desf.
9. Convolvulus agnaticus,
130. Nama Jamaicensis, L.?
1. Lithospermum tenellum, Nutt.
2. Heliotropium Curassavicum
3. " incanum
4. Eutoca linearis
5. × Solanum Texanum, Eng. Olr.
6. Physalis pubescens?
7. Herpestis Monniera
8. Conobea multifida
9. Buchnera elongata
140. Herpestis nigrescens
1. Gerardia aphicifolia
2. Penstemon Cobaea
3. Scutellaria Drummondii
4. × " cordiophylla, Eng Olr.
5. Salvia azurea
6. Hyptis radiata
7. Physostegia Virginiana, var
8. " " var.
9. Trichostemma dichotoma
150. Teucrium Canadense

151. * Monarda (lindheimeri, Eng. & Gr.) acabra, Beck.
2. " punctata, L.
3. " aristata, Mitt.
4. Verbena strigosa
5. " spuria, var.
6. Zapania nodiflora, var.
7. * Dipteracanthus nudiflorus, Eng. & Gr.
8. " ciliosus, Nees
9. Dianthera humilis
160. Dicliptera brachiata
1. Utricularia subulata
2. Samolus ebracteatus
3. Plantago graphaloides
4. " aristata
5. Bresine celosioides
6. Oplotheca floridana
7. Eriogonum longiflorum, v. plantagineum
8. Polygonella ericoides, Eng. & Gr.
9. Stillingia sylvatica
170. " ligustrina, Mx.
1. * Pilinophytum lindheimeri, Eng. & Gr.
2. Geisleria glandulosa, Klotzsch.
3. Croton argyranthemum, Mx.
4. * Euphorbia bicolor, Eng. & Gr.
5. Aphora mercurialina
6. Trapia urticifolia
7. Phyllanthus polygonoides
8. Cnidoscolus stimulosus
9. Urtica purpurascens, Mitt.
180. Quercus virens
1. Taxodium distichum
2. Sagittaria simplex, Pk.?
3. * " chalomifera, Eng. & Gr.
4. Commelyna angustifolia
5. Xyris Carolinianae, var. acabra?
6. " bulbosa, Kth
7. Hypoxis erecta, B. aestivalis

188. Hypoxis erecta, v. leptocarpa
9. Eustylis purpurea, Eng. Gr.
190. Gymnadenia nivea, "
1. *Spiranthes vernalis, Eng. Gr.
2. Thalia dealbata
3. Juncus heterianthos, Nutt
4. Pontederia lancifolia
5. Smilax lanceolata
6. Cooperia Drummondii, Herb.
7. Aletris aurea
8. *Scilla angusta, Eng. Gr.
9. Allium mutabile
200. Ruppia maritima
1. Cyperus virens, L.
2. " ovularis, Torr
3. " tetragonus, Elt
4. Fuirena hispida
5. Eleocharis arenicola, Torr.
6. Scirpus lacustris
7. *Spartina juncifolia, Eng Gr.
8. Koeleria truncata, Torr.
9. Uniola gracilis,
210. Panicum hirtellum
1. Andropogon avenaceus
2. Leptochloa mucronata
3. Poa capitata, Nutt.
4. " " subfeminina form.
— Coll. 1844.
5. Brasenia peltata
6. Draba cuneifolia, Nutt.
7. *Vesicaria amicula, Eng Gr
8. Nasturtium tenacifolium
9. Sisymbrium canescens
220. Polygala alba
1. Hypericum macula
2. Paronychia dichotoma

223. Arenaria Pitcheri, Nutt.
4. Phaca trifoliata, B. modis
5. Acaulus Baria, B discolor
6. Sapindus marginatus
7. Rhamnus Caroliniana
8. " lanceolatus
9. Tephrosia virginiana
230. Astrag. caryocarpus
1. Lupinus subcarnosus
2. Cassia chamaecrista, v. cinerea
3. Algarobia glandulosa,
4. Schrankia angustata
5. Desmanthus brachylobus
6. Prosopis glandulosa
7. * " gracilis, Eng. Gr.
8. Oenothera serrulata, 5 spinulosa
9 Gaura longiflora
240. " Drummondii
1. " parviflora, Doug.
2. Stenosiphon virgatus
3. Jussiaea accidentalis
4. Opuntia fragilis, var. fruticosa
5. Sedum sparsiflorum, Nutt.
6. Galium virgatum, Nutt
7. Diodia tricocca
8. Spigelia Texana, Ade.
9. Aster Drummondii
250. Chaetopappa asteroides
1. Bellis integrifolia
2. Solidago angustifolia
3. Baccharis divaricata
4. " Hookeriana, Torr. (but = 253)
5. Grindelia inuloides
6. Calyptocarpus candida
7. Silphium acaberrimum
8. Helianthus lenticularis
9. " Maximiliani
260.

261. Hel. Maximiliani, v. asperrimum
2. " grosse-serratum
3. " " var. B
4. Cosmidium filifolium
5. Dysodia tagetoides
6. Palafoxia Hookeriana
7. Actinella linearifolia
8. Senecio ampullaceus
9. " " var. floccosus
270. Lycodesmia aphylla, v. texana
1. Pyrrhopappus grandiflorus
2. * Asclepias linaria, Eng. obs.
3. * Gomphocarpus cynanchoides "
4. Eustoma Russellianum
5. Phlox Drummondii
6. Convolvulus Pickeringii
7. Cuscuta cuspidata, B
8. * Lithospermum brevifolium, E. O.S.
9. * Eutoca sorichifolia, E O.S.
280. * " patuliflora "
1. Solanum nemorosum, L.?
2. Penstemon Murrayanum
3. Gratiola aphanocarpa
4. * Castilleia indivisa, Eng.
5. Hedeoma Drummondii
6. * Brazoria truncata
7. * " acutillanioides, E O.S.
8. Physostegia intermedia
9. Verbena bipinnatifida
290. * Dipteracanthus micranthus, E O.S.
1. Dianthera americana
2. Utricularia personata
3. Oxybaphus pilosus, ?
4. Boerhaavia diffusa, Wilk
5. Rivina portulacoides, Mutt.
6. * Polygonum cristatum, E O.S.
7. Eriogonum multiflorum, Mutt.
8. * Aristolochia longiflora E O.S.
9. " reticulata, Mutt.